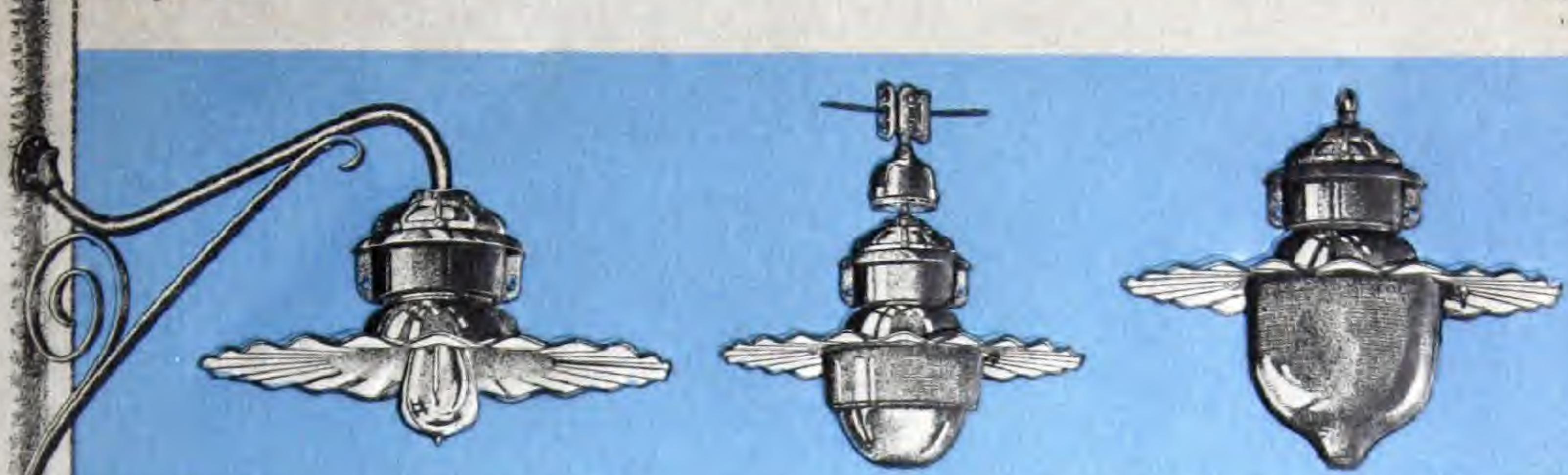


290-10.

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street lights

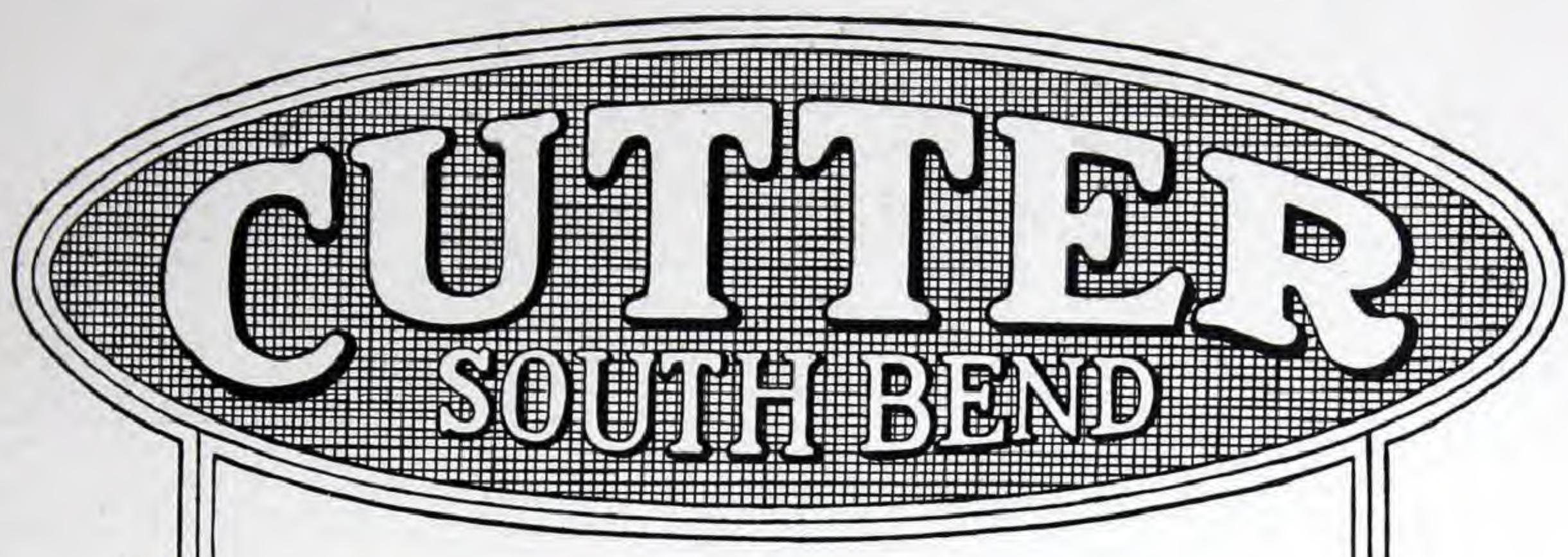
Cutter
STREETHOODS
BRACKETS,
MAST ARMS
PULLEYS INSULATORS
AND POLE LINE
MATERIAL

SCHEDULES A, C, D, E, & F.



GEORGE CUTTER COMPANY
SOUTH BEND, **INDIANA.**

George Cutter Company



STREET HOODS
BRACKETS
MAST ARMS
PULLEYS, INSULATORS
AND
POLE LINE MATERIAL

SCHEDULES - A-C-D-E-F

BULLETIN No. 3386

October 1, 1919

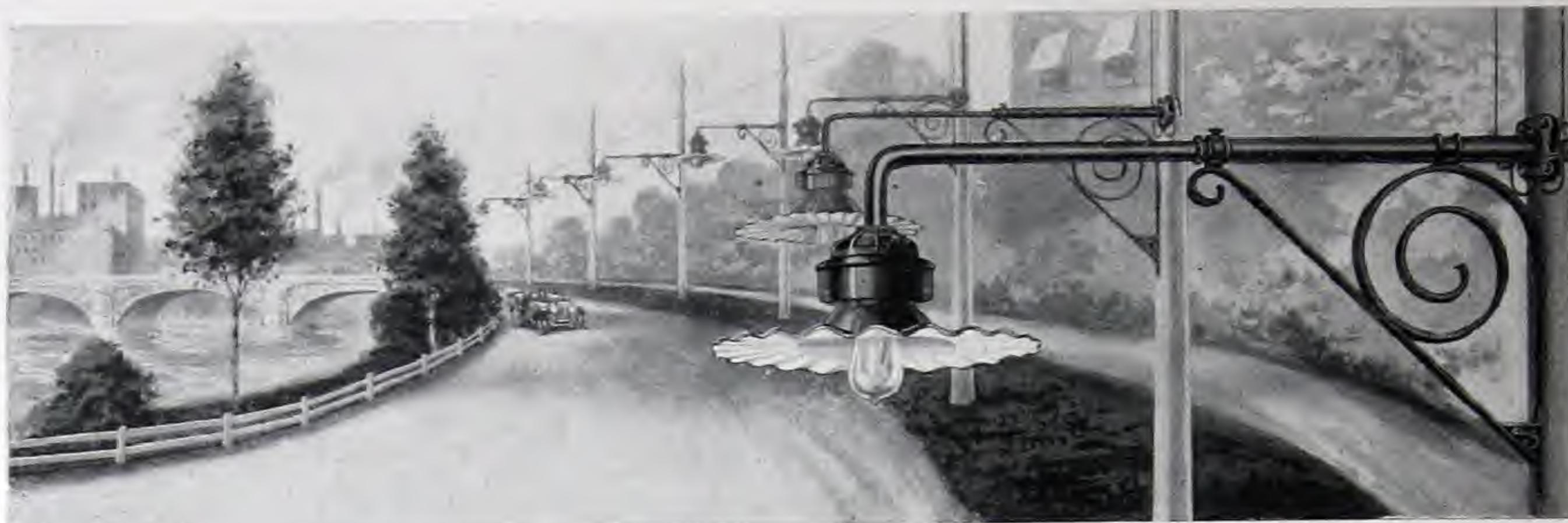
Prices on material listed in this bulletin supersede all previous lists
including Catalog 14 and Bulletin 3268.

GEORGE CUTTER COMPANY
SOUTH BEND, INDIANA, U. S. A.

CHICAGO
28 East Jackson Boulevard
LOS ANGELES
San Fernando Building

DETROIT
426 Ford Building
SAN FRANCISCO
583 Howard Street

NEW YORK
149 Broadway
SEATTLE
522 First Avenue, South



Modern Street Lighting Systems with Cutter Streethoods

THE methods employed for operating street-lighting systems may be divided into two classes: Multiple and Series Operation.

Multiple Systems are usually operated at 110 or 220 volts, and the power is supplied from a constant-potential transformer. The multiple system of operation has been generally used for small installations where the distance traversed by the line wires is not sufficiently great to warrant the expense of installing regulating equipment for series lamps.

The Series System, using one conductor to traverse the lighted area, as compared with two conductors for the multiple system, has been adopted generally for large installations of incandescent street lighting fixtures. Series Mazda "C" lamps are used.

The series system is usually more economical in first cost, but for very small installations where the series system would require additional regulating apparatus, it may be found more economical to install multiple lamps, although certain variations of the series system described below are particularly applicable to small installations.

Methods of Operation of Series Distribution Systems

There are several methods of using series Mazda "C" lamps in Cutter Streethoods and any one of the following may be considered for each particular installation:

(1). The constant-current straight series system using the Cutter Regent Film Socket with each lamp. (See page 3.) In the event of a lamp failing, the perfectly calibrated film in the Regent Socket punctures, thus re-establishing the circuit instantly. The system is operated through a regulating transformer which takes care of the difference in the load and maintains the current practically constant. This method is suitable for all series systems for operating lamps ranging from 40 to 600 candlepower.

(2). The constant-potential series system using an individual two-winding (or so-called series multiple) transformer placed on the pole from which the service wires lead to the fixture. The transformers are connected in series and each one delivers the amount of current required for the lamp at a voltage equal to that of only one lamp. Multiple Streethoods are used. The system may be operated either from constant-potential mains or in series with other lamps using film sockets and supplied through a regulating transformer. This method is particularly applicable to small installations of series lamps of 400 candlepower rating or larger, and has the special feature of providing a low potential in the wires leading from the transformer to the lamp.

(3). The constant-potential series system using a multiple socket and reactance coil with each lamp. This system requires no regulating apparatus at the central station. When a lamp fails, there is sufficient reactance inserted in the line to maintain the current practically constant. This method is used on systems for operating series lamps of 250 candlepower rating and smaller, and is found most economical on circuits of less than 2 kilowatt capacity. Cutter Adjuster-Socket Streethoods are used.

Local conditions govern the selection of the method of operation of a distribution system. If data are given on the number and size of lamps, plan of streets, central-station equipment and methods of distribution now used, our Engineering Department will make recommendations for the most efficient and suitable method of distribution.

Straight Series System with Regulating Transformer and Cutter Regent Film Socket

In a straight series lighting system, the constant-current transformer which regulates the voltage to compensate for burned out lamps may be considered the heart of the system while the *Regent Film Socket* is the safety valve.

When a lamp burns out, there is a momentary rise in potential across the terminals of the lamps and the dielectric film in the socket must puncture to re-establish the circuit. If the dielectric strength of the film is too great, the rise of the voltage may not be sufficient to puncture the film, or it may hold the circuit open until the voltage has increased to a point that will produce violent surges in the line. These surges are damaging to Mazda "C" lamps, because the filament must be kept so near the melting point that a line surge of any consequence destroys the lamp.

The film used in the Regent Socket punctures uniformly and accurately at rated voltage. It is enclosed in the socket and protected against climatic conditions which might prevent this accuracy. The film cannot creep out as a result of vibration of the fixture and lamp. The film holder is so designed that it is impossible to use any substitute for the regular film.

Regent Film Sockets have been thoroughly tried out by the users of the country. Hundreds of thousands are in service under all climatic conditions. Approximately 30,000 have been installed in the city of Chicago alone, where they are used in Cutter pendants and in ornamental posts for Mazda "C" lamps.

To the many well known advantages of the Regent Socket, improvements have been added to make the Regent "C" Socket, illustrated above, the ideal "safety valve" socket.

Regent "C" Film Sockets Solve Outage Problems

Cigarette wrappers, matches or anything will do with the ordinary film socket, until something has gone wrong, all the lamps are *burned out* or the circuit is open and the trouble cannot be located. Outage penalties eat into the profits and accidents occur because of darkness. No such condition can arise with the *repeating film*. Lift the spring spider, turn the film a fraction of an inch, close it and screw in a new lamp. Insert the socket in the receptacle and the lamp is ready for operation. The saving in cost of film renewals alone will pay for the socket in a short time.

Advantages of Regent "C" Film Sockets

Use Regent "C" Sockets with Cutter pendants, streethoods, posts and other fixtures with straight series lamps. The following advantages are obtained:

- (1) The repeating film saves trouble and time, and decreases the expense of renewals.
- (2) Only the calibrated film can be used with Regent "C" Sockets.
- (3) Large contact surface and uniform pressure insure accuracy in film puncture.
- (4) Fool-proof construction insures the proper use of the film and socket.
- (5) The film is enclosed in the socket, protecting it against climatic conditions which might prevent accuracy in film puncture.
- (6) There are no live metal parts exposed back of the socket; this construction eliminates danger from corrosion and short circuits.
- (7) The intense heat of Mazda "C" lamps cannot affect the operation of the film.
- (8) The lamp socket is easily inserted in the receptacle; a slight turn locks it in place.
- (9) Lamps may be renewed easily by hand or with lamp-changer from the ground.
- (10) Lamps may be inserted in the lamp socket shells at the storeroom and carried in this manner by the linemen to the places where renewals are made.
- (11) The Regent "C" Socket is smaller and better insulated than other designs.



Phantom View of Regent "C"
Receptacle with View of Lamp Socket.
Showing Repeating Film.

Construction of Cutter Series Streethoods

The design of Cutter Streethoods is the result of many years of experience in the development of street-lighting equipment. Every detail in their construction has been planned so they can be easily installed and wired. They give efficient and long service.

Copper heels on Cutter Streethood Reflectors insure maximum life because they prevent chipping of the enamel from contact with screw or clip supports. When enamel is chipped away by screws or similar supports, the metal body of the reflector is exposed to the air; rust sets in and spreads rapidly over the surface of the reflector, reducing the efficiency and greatly shortening the life.

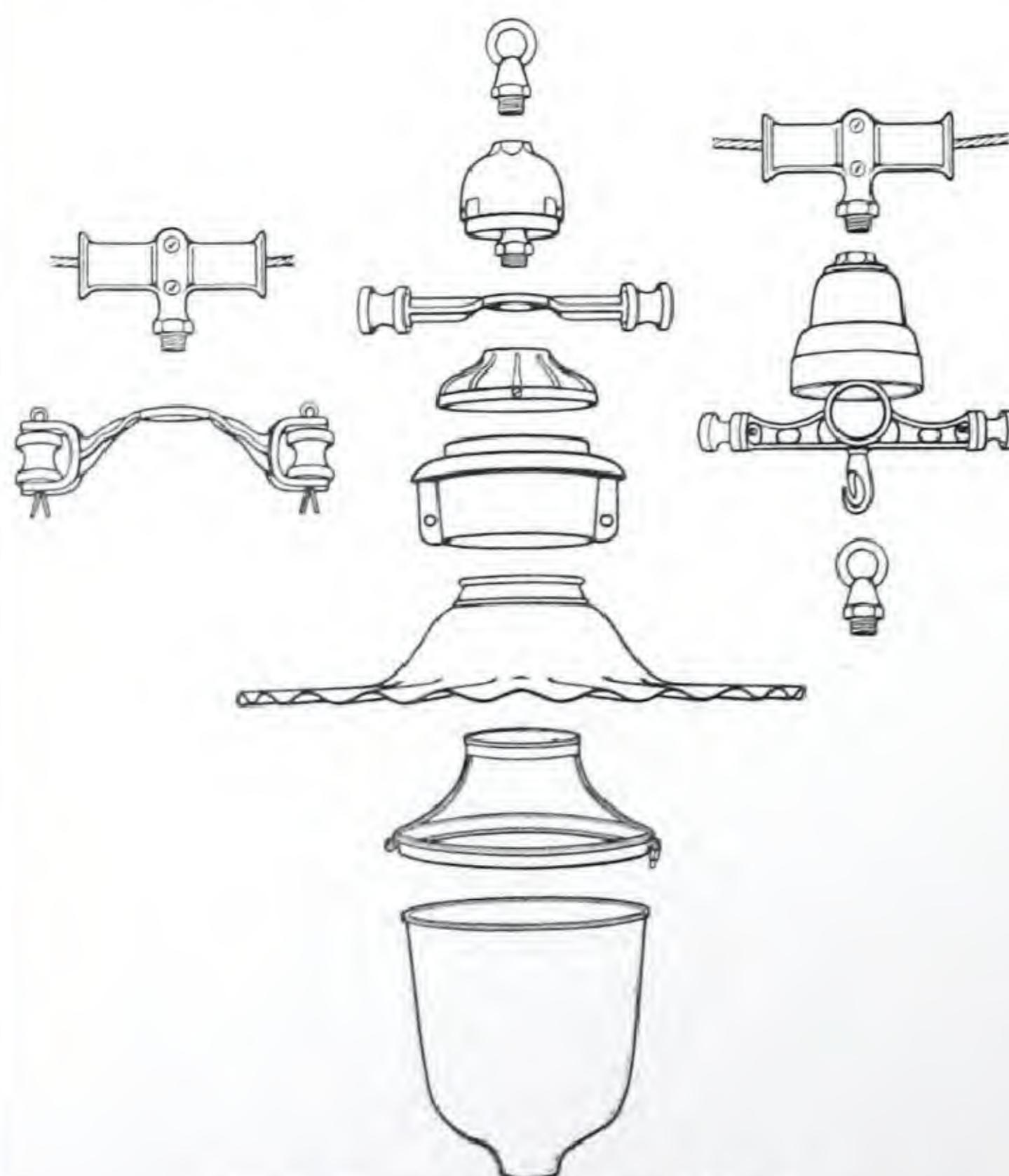
The beaded edge on Cutter Streethood Reflectors is another feature which guarantees maximum life of the reflector. The edge of the steel reflector body is turned over and a smooth bead is formed. The three coats of enamel on the exterior of the reflector as well as the three coats on the interior are lapped over the beaded edge, forming a protective covering that is extremely durable.



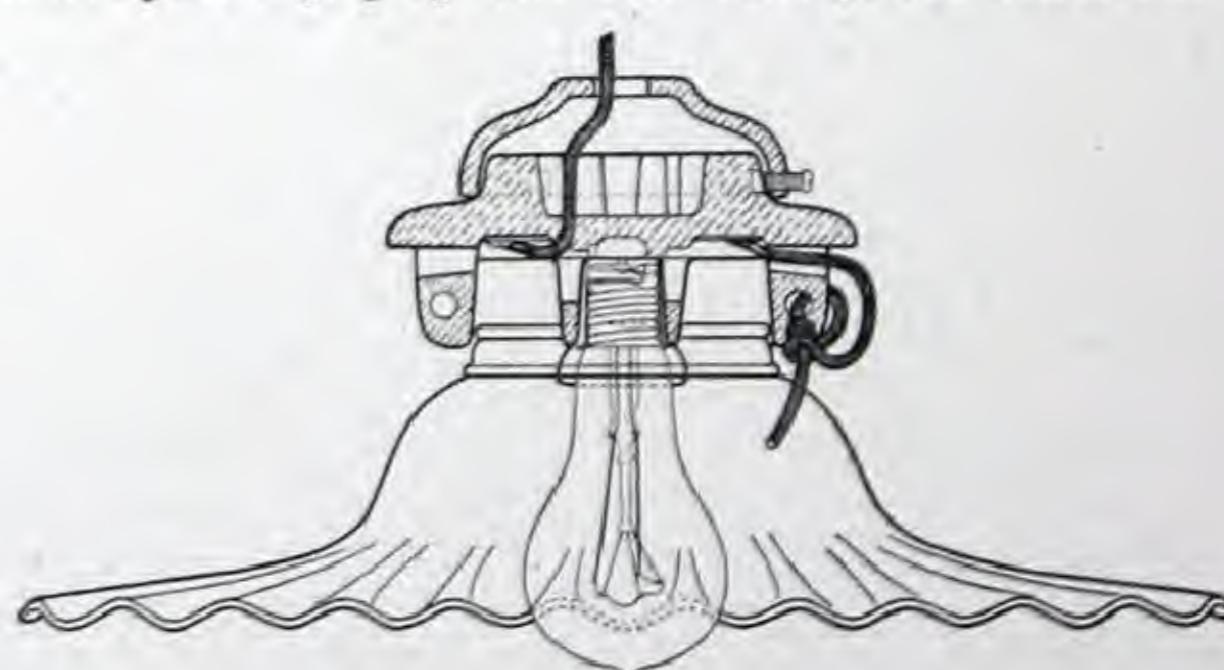
Cutter Streethood Reflector. Showing Copper Heel and Beaded Edge.

Advantages of Cutter Streethoods

- (1) *Interchangeable Parts* permit combinations suited to every individual requirement.
- (2) *Cast Iron Canopies* are threaded for $\frac{3}{4}$ -inch pipe or for $1\frac{1}{4}$ -inch pipe. The $\frac{3}{4}$ -inch canopy also fits all styles of center suspension fittings. Iron parts of Cutter Streethood Bodies are electro-galvanized and painted black.
- (3) *Porcelain Heads* are designed to give ample insulation for the Regent "C" Series Film Socket and are arranged for either inner or outer wiring. When outer wiring is used the wires may be tied to holes in the rim of the Porcelain Head, making the use of a cross arm unnecessary. Durable wiring connections are easily and quickly made.
- (4) *Standard 4-inch Copper Heel* on all reflectors insures maximum life of the reflector. The enamel is not damaged by the supporting screws. When reflectors are fastened by any other means, the enamel is easily chipped and corrosion begins. The rust will quickly spread to other parts, making it necessary to replace the reflector, which is a large part of the cost of the fixture.
- (5) *Radial Bowl Reflectors* shed rain, sleet and snow, thus relieving the fixtures of undue strain during inclement weather. They are artistic in appearance and afford ideal light distribution.
- (6) "*Sol-lux*" *Diffusers* and *Holophane Refractors* are supported on hinges so that the lamps may be replaced easily, and the glassware may be cleaned frequently, at low expense. This is essential to obtain maximum efficiency in light distribution.
- (7) *Regent "C" Film Sockets* eliminate many troubles of series street-lighting systems. The saving in lamp renewals alone will quickly pay for the complete fixture.



Interchangeable Parts for Series Center Suspension Streethoods.



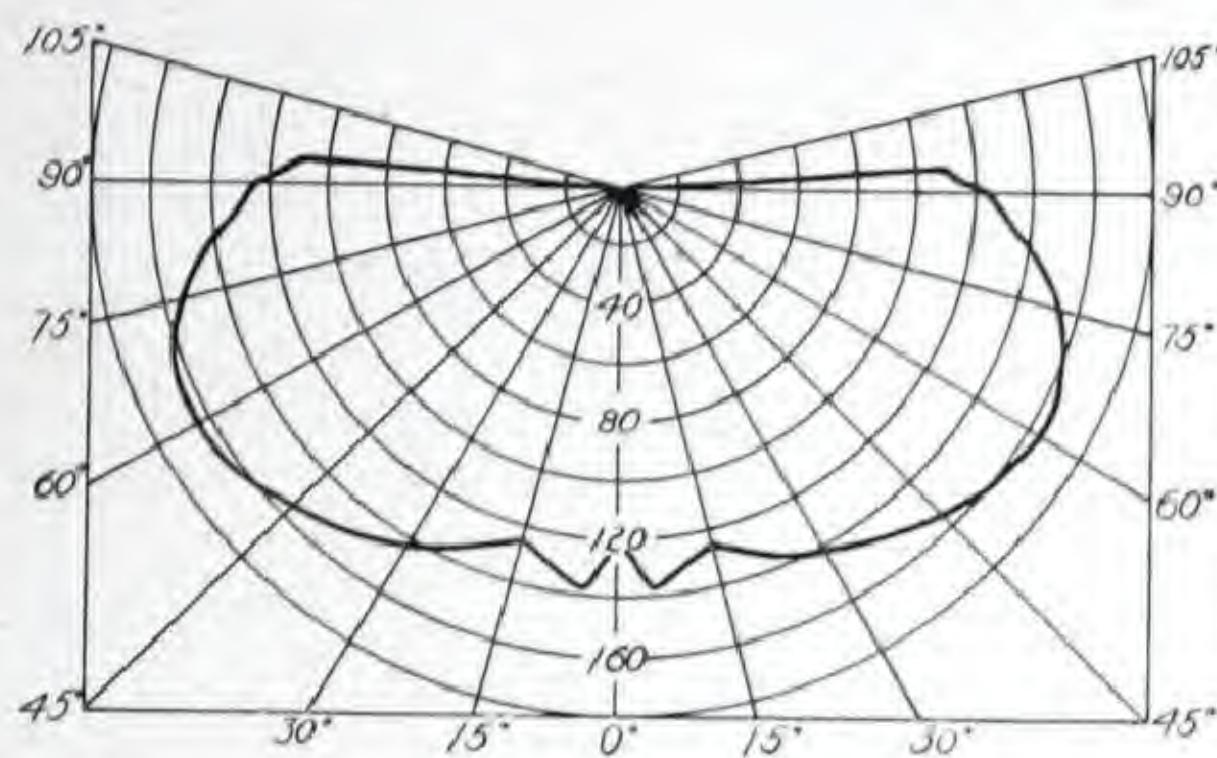
Method of Wiring Cutter Series Streethoods

Efficient Illumination with Cutter Series Streethoods

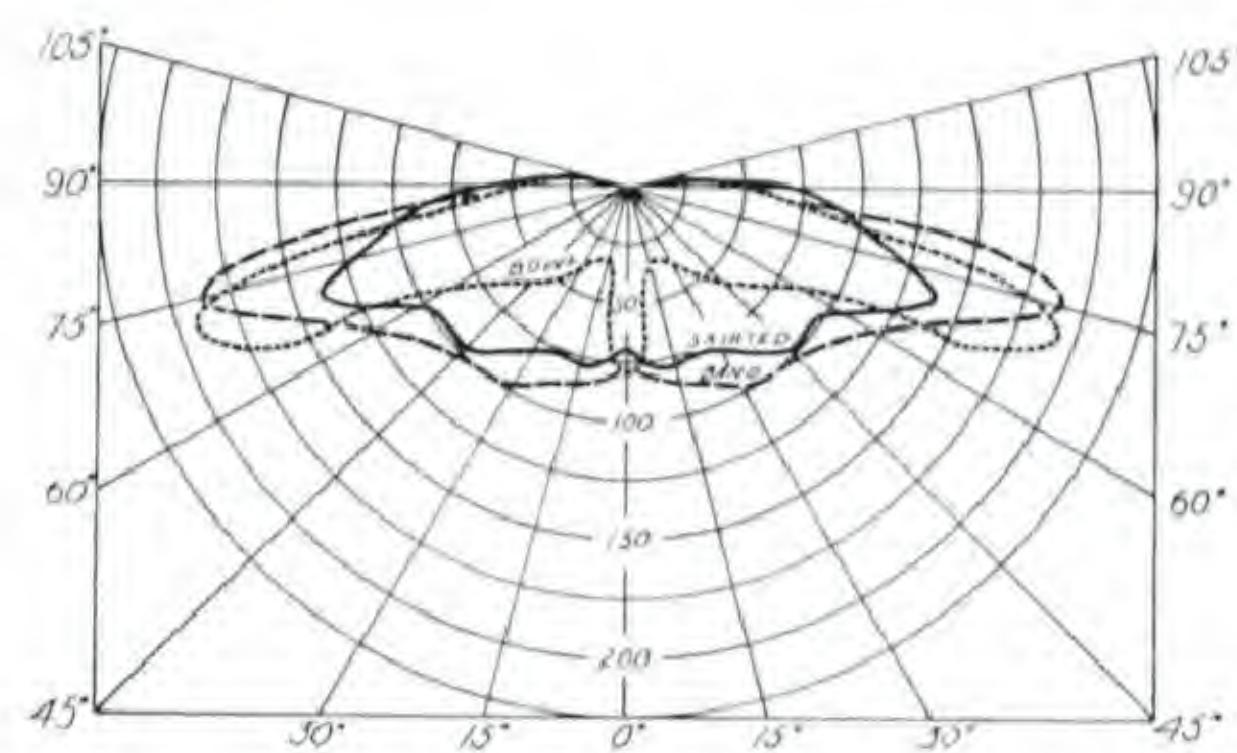
The first consideration in the selection of every street-lighting fixture is the amount of light required; that is, the size of lamp. The next consideration is the manner in which the light should be distributed. These determine one or two styles of Streethood Reflectors. The third consideration, that of the method of installation, will enable the customer to select the one best suited to his requirements. Cutter Streethood Bodies and the brackets for supporting them are listed separately. The size of lamp is given for each Streethood Body, which enables the selection of the one best suited to the lighting needs. The Streethood Body may then be offered in combination with several styles of brackets and center-suspension parts. Thus a complete fixture may be assembled to suit any condition.

To facilitate proper selection of Streethood Bodies typical distribution curves for Mazda "C" lamps with each reflector are shown below.

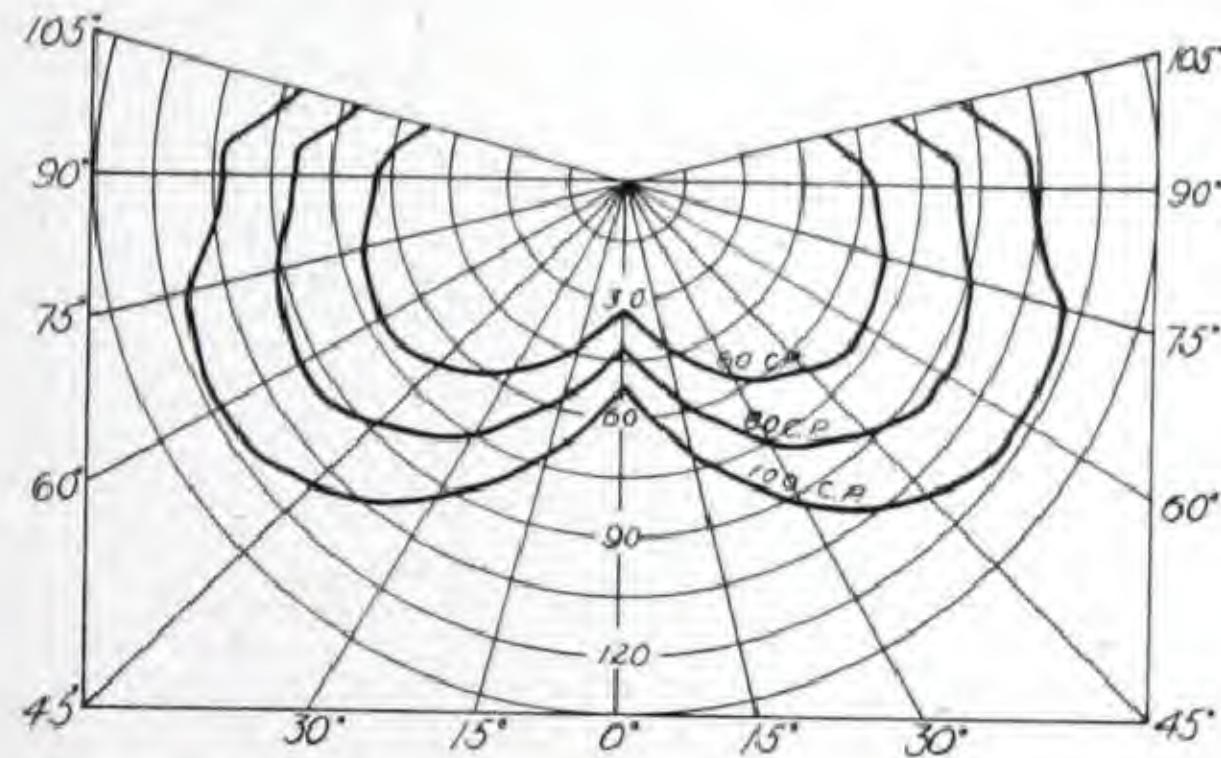
Distribution Curves



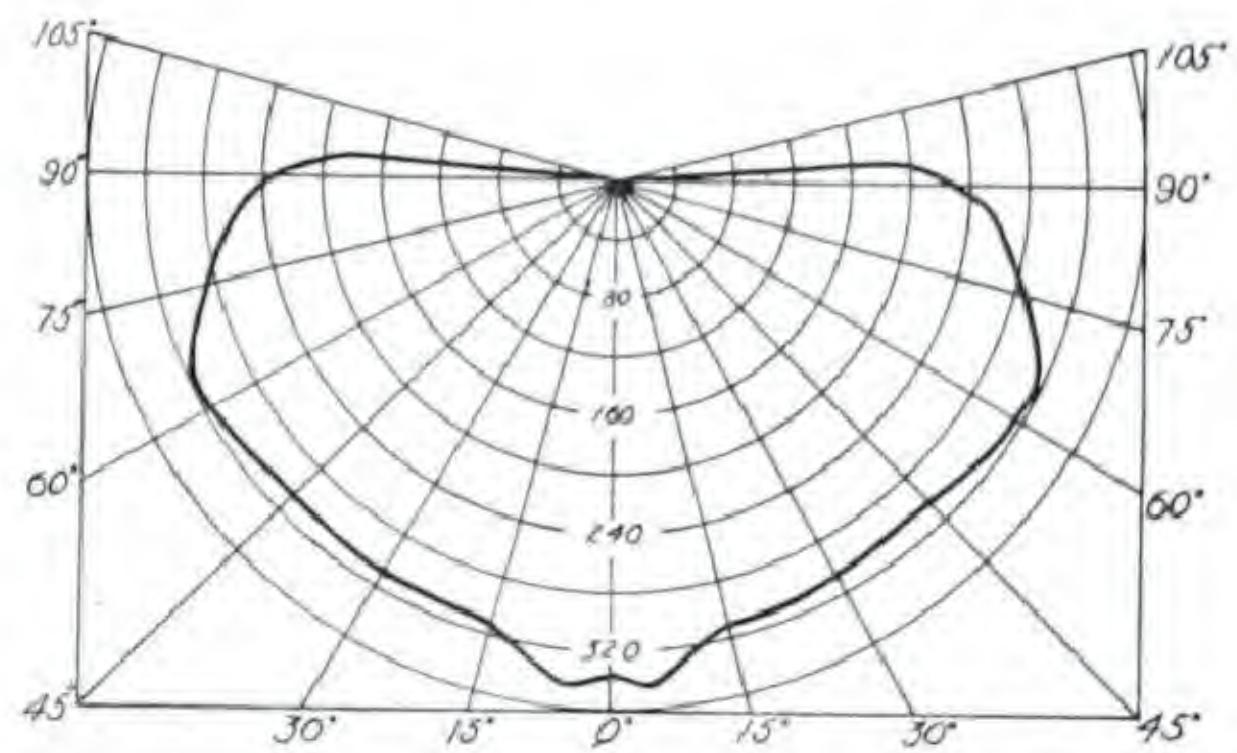
Distribution Curve for 100 Candlepower Mazda "C" Lamp with 18-inch Radial Bowl Reflector.



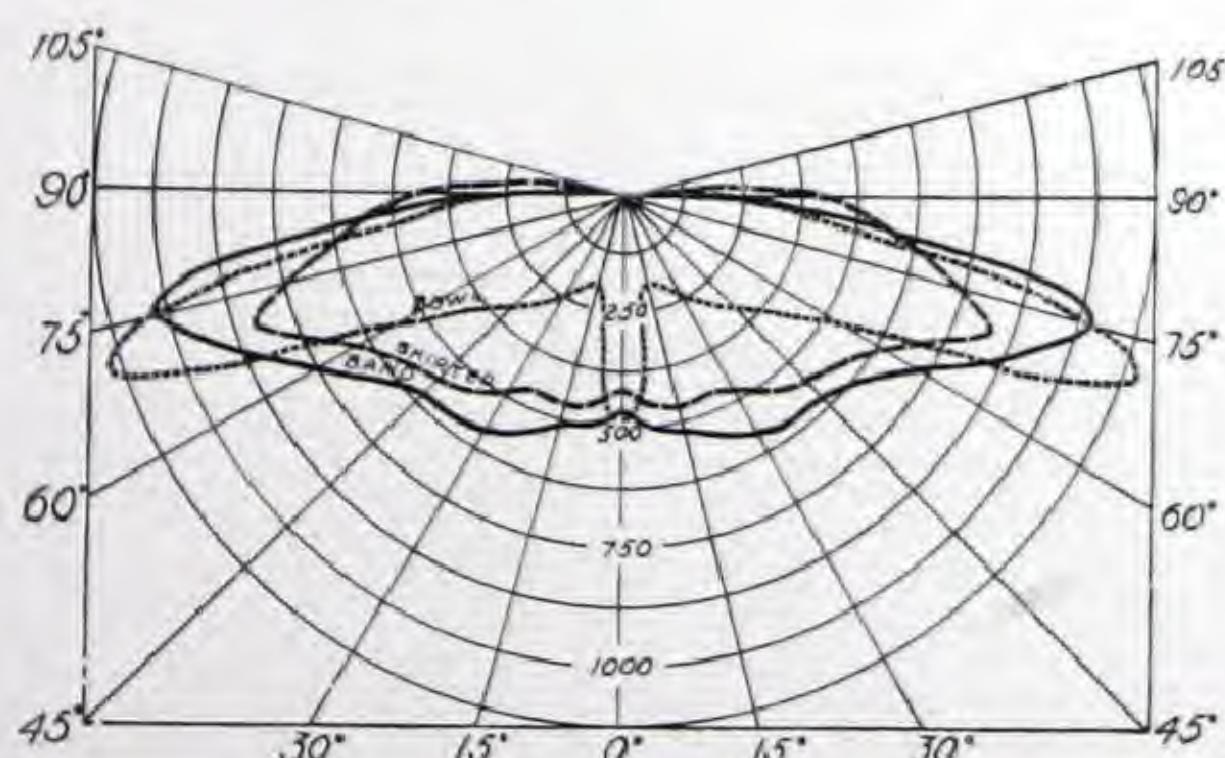
Distribution Curves for 100 Candlepower Mazda "C" Lamp with 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Bowl Refractor, with Band Refractor and Skirted Refractor.



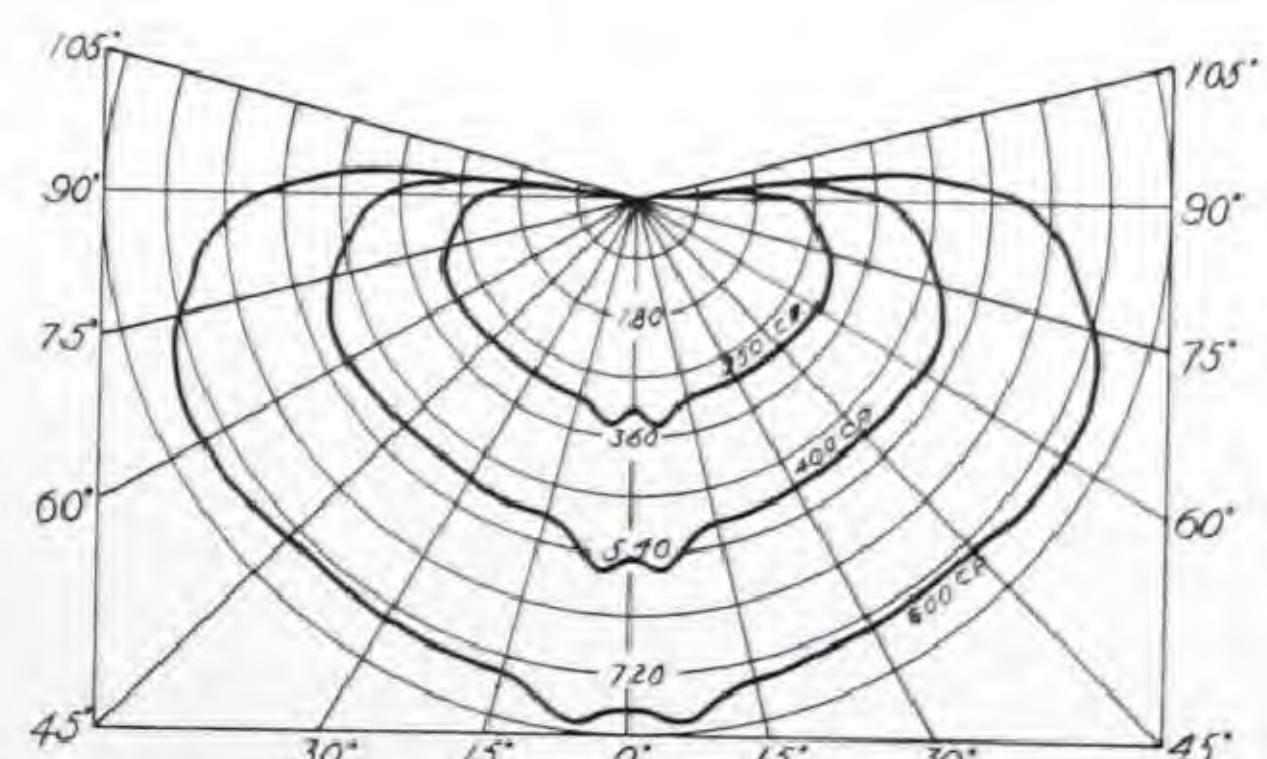
Distribution Curves for 20-inch Flat Radial Reflector with 60, 80 and 100 Candlepower Mazda "C" Lamp.



Distribution Curve for 250 Candlepower Mazda "C" Lamp and 20-inch Radial Bowl Reflector with Extension.



Distribution Curves of 600 Candlepower Mazda "C" Lamp with 18-inch Radial Bowl Reflector and 8 1/2-inch Bowl, Band and Skirted Refractors.



Distribution Curves of 250, 400 and 600 Candlepower Mazda "C" Lamps with 18-inch Radial Bowl Reflectors and "Sol-lux" Diffusers.

Cutter Series Streethood Bodies

For 40, 60, 80 and 100 C. P. Series Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



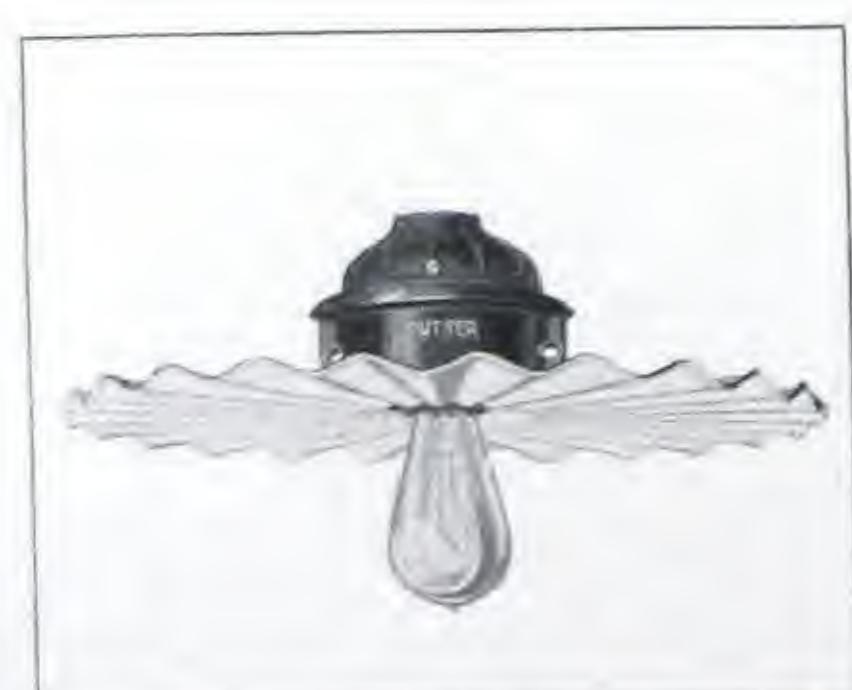
18-inch Radial Bowl Streethood Body.
Trade No. 27101



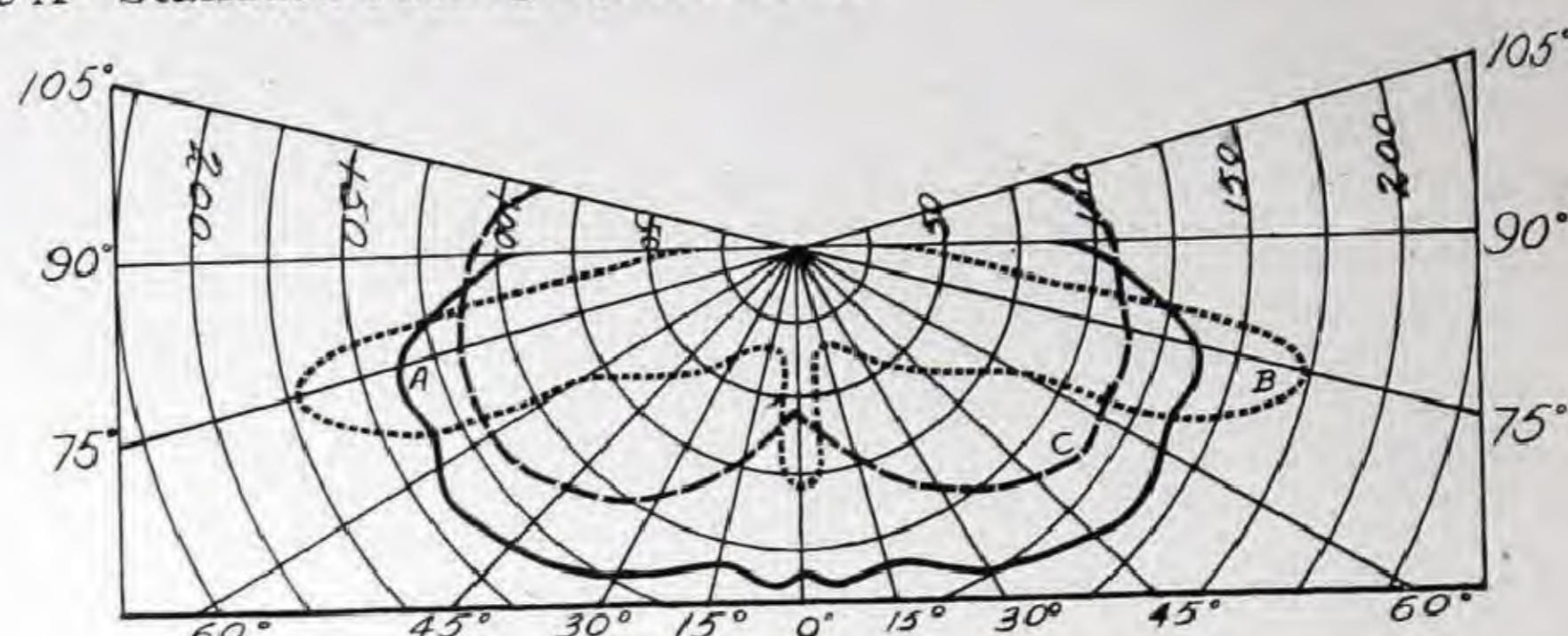
18-inch Radial Bowl Streethood Body
with 6 1/2-inch Holophane Bowl
Refractor. Trade No. 27103



18-inch Radial Bowl Streethood Body
with 6 1/2-inch Holophane Skirted
Refractor. Trade No. 27105



20-inch Flat Radial Streethood Body.
Trade No. 27109



Distribution Curves of 100 C. P. Mazda "C" Lamp with A—18-inch Radial Bowl Reflector. B—Same with 6 1/2-inch Holophane Bowl Refractor. C—20-inch Flat Radial Reflector.

A Cutter Series Streethood Body consists of a porcelain insulator head with Regent "C" Film Socket and iron canopy and a reflector with or without refractor as listed.

The porcelain head contains the Regent "C" Film Socket and is equipped with galvanized iron canopy painted black. The canopy is threaded for $\frac{3}{4}$ -inch pipe for fastening to brackets or for center suspension fittings, or, the Streethood body will be furnished with canopy threaded for $1\frac{1}{4}$ -inch pipe as listed below.

Line wires leading to the Streethood are tied securely in the outer rim of the porcelain head and lead in to the socket terminals through holes provided therefor.

Reflectors are made of deep drawing steel and surfaced with three coats of highest grade porcelain enamel, reflective white underneath, green on top. The reflector is attached to the porcelain head by means of two stationary lugs and a heavy set screw with lock-nut engaging a 4-inch copper heel which protects the enamel from chipping. Reflectors and Refractors furnished with the Streethood Bodies listed on this page are designed for use with 40, 60, 80 and 100 C. P. Series Mazda "C" Lamps.

PRICE LIST

Schedule A—Standard Package Quantity 10

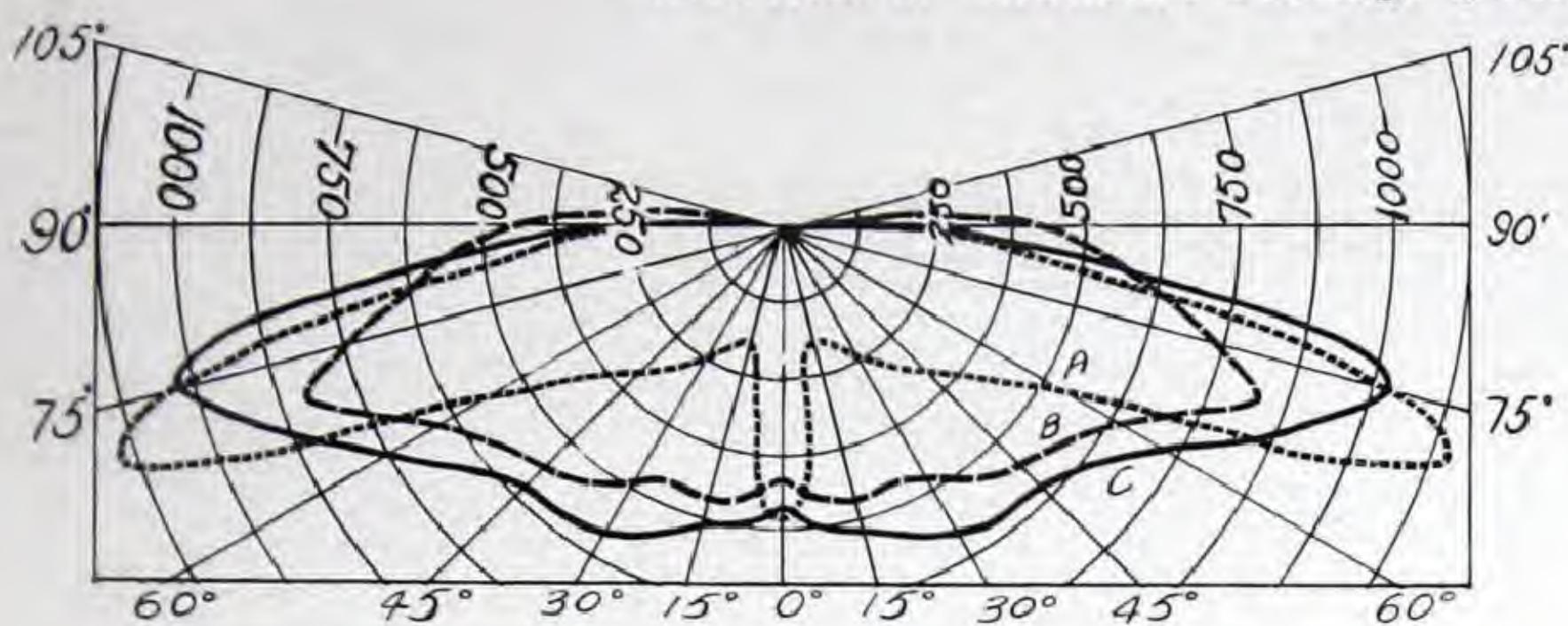
Prices below cover Streethood Bodies for 40, 60, 80 and 100 C. P. Series Mazda "C" Lamps, but do not include lamps or wiring.

Trade No. For $\frac{3}{4}$ - in. Pipe	For $1\frac{1}{4}$ - in. Pipe	Description	Ship. Wt. lbs. each	Price each
With 18-inch Radial Bowl Reflector				
27101	27102	Complete Unit.....	12	\$7.00
27141	27142	Unit Consists of { Porcelain Head with Socket and Canopy.....	8	4.25
27143	27143	18-inch Radial Bowl Reflector....	4	2.75
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Bowl Refractor				
27103	27104	Complete Unit.....	17	\$11.50
27141	27142	Unit Consists of { Porcelain Head with Socket and Canopy.....	8	4.25
27143	27143	18-inch Radial Bowl Reflector....	4	2.75
27166	27166	6 1/2-inch Holophane Bowl Refractor.....	3 1/2	3.00
27146	27146	Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Skirted Refractor				
27105	27106	Complete Unit.....	17	\$11.50
27141	27142	Unit Consists of { Porcelain Head with Socket and Canopy.....	8	4.25
27143	27143	18-inch Radial Bowl Reflector....	4	2.75
27167	27167	6 1/2-inch Holophane Skirted Refractor.....	3 1/2	3.00
27146	27146	Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor				
27107	27108	Complete Unit.....	16	\$11.50
27141	27142	Unit Consists of { Porcelain Head with Socket and Canopy.....	8	4.25
27143	27143	18-inch Radial Bowl Reflector....	4	2.75
27168	27168	6 1/2-inch Holophane Band Refractor.....	2 1/2	3.00
27146	27146	Hinged Refractor Holder.....	1 1/2	1.50
With 20-inch Flat Radial Reflector				
27109	27110	Complete Unit.....	13	\$6.50
27141	27142	Unit Consists of { Porcelain Head with Socket and Canopy.....	8	4.25
27162	27162	20-inch Flat Radial Reflector....	5	2.25

Cutter Series Streethood Bodies

For 250, 400 and 600 C. P. Series Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



Distribution Curves for 600 Candlepower Mazda "C" Lamp with 18-inch Radial Bowl Reflector and A—8 $\frac{1}{4}$ -inch Bowl Refractor.
B—8 $\frac{1}{4}$ -inch Skirted Refractor. C—8 $\frac{1}{4}$ -inch Band Refractor.

A Cutter Series Streethood Body consists of a porcelain insulator head with Regent "C" Film Socket and iron canopy and a reflector with or without refractor as listed.

The porcelain head contains the Regent "C" Film Socket and is equipped with galvanized iron canopy painted black. The canopy is threaded for $\frac{3}{4}$ -inch pipe for fastening to brackets or for center suspension fittings; or, the Streethood will be furnished with canopy threaded for $1\frac{1}{4}$ -inch pipe as listed below.

Line wires leading to the Streethood are tied securely in the outer rim of the porcelain head and lead in to the socket terminals through holes provided therefor.

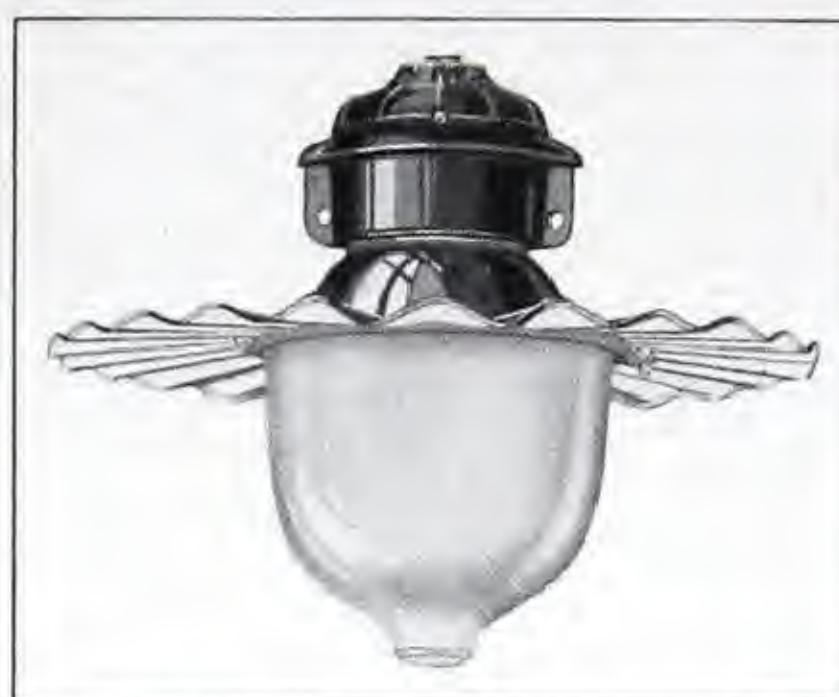
Reflectors are made of deep drawing steel and surfaced with three coats of highest grade porcelain enamel, reflective white underneath, green on top. The reflector is attached to the porcelain head by means of two stationary lugs and a heavy set screw with lock-nut engaging a 4-inch copper heel which protects the enamel from chipping. Reflectors and Refractors furnished with the Streethood Bodies listed on this page are designed for use with 250, 400 and 600 C. P. Series Mazda "C" Lamps.

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethoods for use with 250, 400 and 600 C. P. Series Mazda "C" Lamps, but do not include lamps or wiring.

Trade No.	For $\frac{3}{4}$ -in. Pipe	For $1\frac{1}{4}$ -in. Pipe	Description	Ship. Wt. lbs. each	Price each
With 18-inch Radial Bowl Reflector and 8 1/2-inch Holophane Bowl Refractor					
27111	27112	Complete Unit		23	\$14.50
27141	27142		Porcelain Head with Socket and Canopy	8	4.25
27143	27143	Unit	18-inch Radial Bowl Reflector	4	2.75
27169	27169	Consists of	8 1/2-inch Holophane Bowl Refractor	9 1/2	6.00
27145	27145		Hinged Refractor Holder	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 8 1/2-inch Holophane Skirted Refractor					
27113	27114	Complete Unit		22	\$14.50
27141	27142		Porcelain Head with Socket and Canopy	8	4.25
27143	27143	Unit	18-inch Radial Bowl Reflector	4	2.75
27170	27170	Consists of	8 1/2-inch Holophane Skirted Refractor	8 1/2	6.00
27145	27145		Hinged Refractor Holder	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 8 1/2-inch Holophane Band Refractor					
27115	27116	Complete Unit		19	\$14.50
27141	27142		Porcelain Head with Socket and Canopy	8	4.25
27143	27143	Unit	18-inch Radial Bowl Reflector	4	2.75
27171	27171	Consists of	8 1/2-inch Holophane Band Refractor	5 1/2	6.00
27145	27145		Hinged Refractor Holder	1 1/2	1.50
With 18-inch Radial Bowl Reflector and "Sol-lux" Diffuser					
27117	27118	Complete Unit		18	\$11.50
27141	27142		Porcelain Head with Socket and Canopy	8	4.25
27143	27143	Unit	18-inch Radial Bowl Reflector	4	2.75
27172	27172	Consists of	"Sol-lux" Diffuser	4 1/2	3.00
27145	27145		Hinged Refractor Holder	1 1/2	1.50
With 20-inch Radial Bowl Reflector with Extension for Bare Lamps					
27119	27120	Complete Unit		14	\$7.75
27141	27142		Porcelain Head with Socket and Canopy	8	4.25
27144	27144	Unit	20-inch Radial Bowl Reflector with Extension	6	3.50
With Extension					
Trade No. 27119. Price \$7.75.					



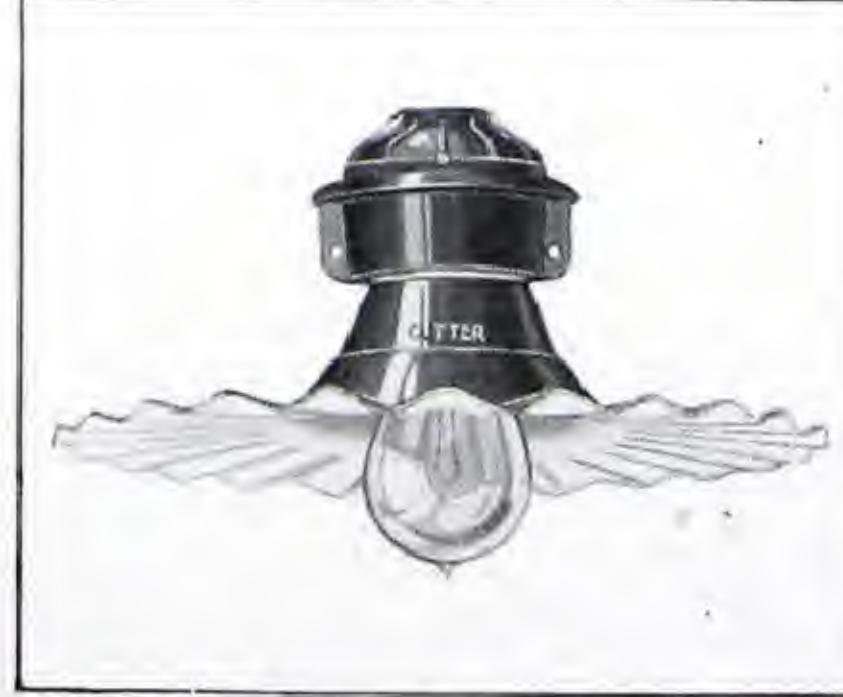
18-inch Radial Bowl Streethood Body with 8 1/2-inch Holophane Bowl Refractor. Trade No. 27111.



18-inch Radial Bowl Streethood Body with 8 1/2-inch "Sol-lux" Diffuser. Trade No. 27117.



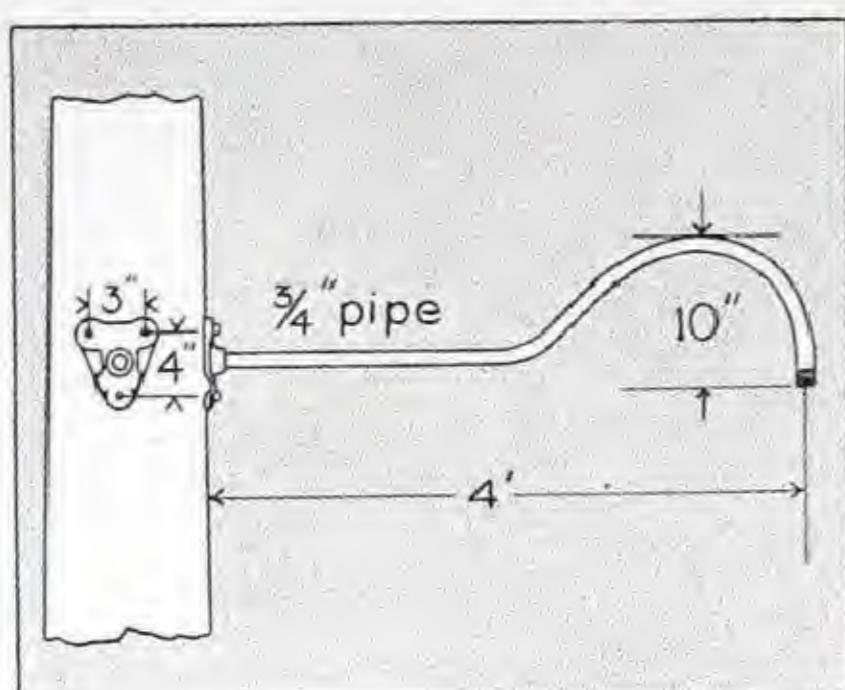
18-inch Radial Bowl Streethood Body with 8 1/2-inch Holophane Skirted Refractor. Trade No. 27113.



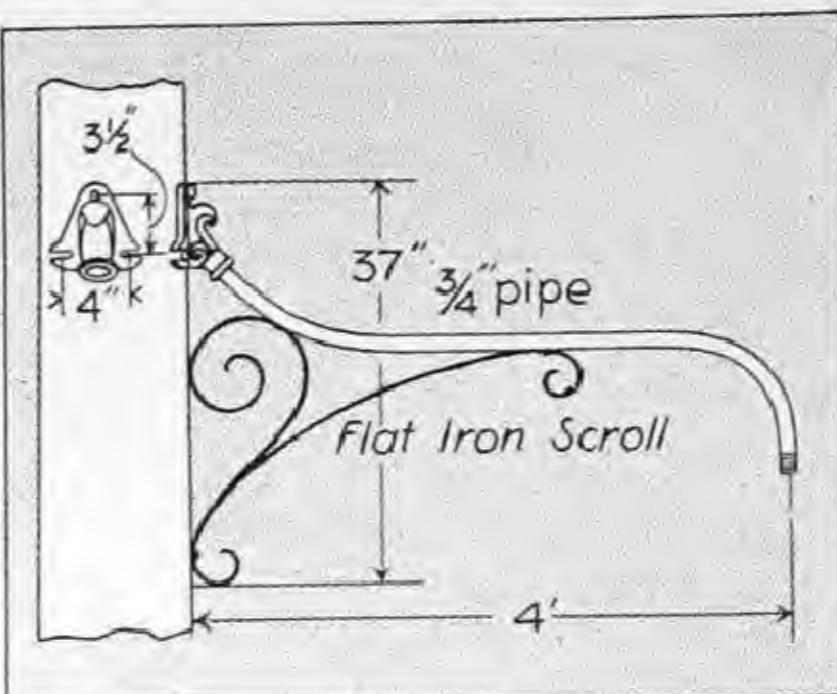
20-inch Radial Bowl Streethood Body with Extension. Trade No. 27119.

Cutter Streethood Brackets

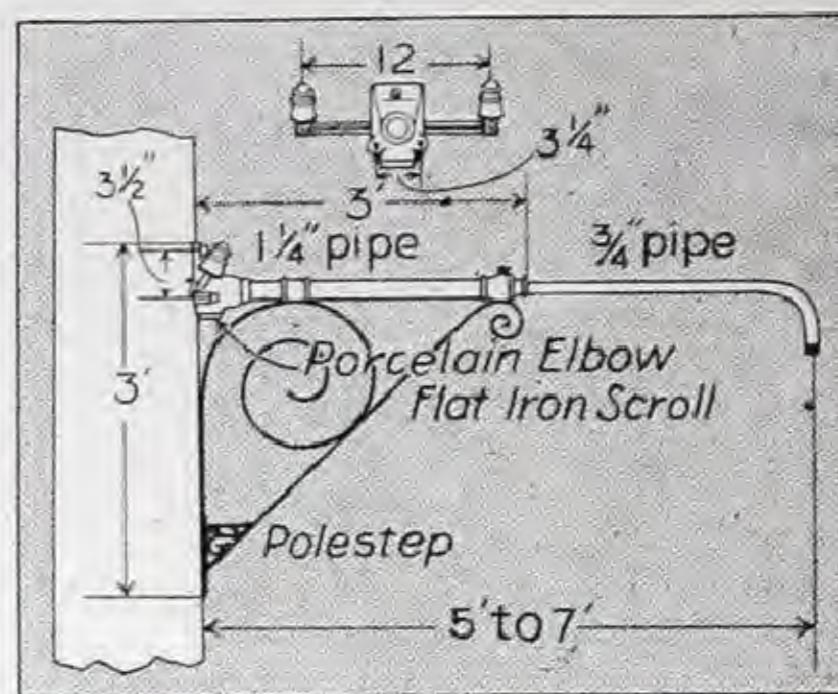
Schedule A—Standard Package Quantity 10



Style A Bracket.
(Approximate Dimensions.)



Majestic Medium Bracket.
(Approximate Dimensions.)



Boulevard Telescope Bracket.
(Approximate Dimensions.)



Style A Bracket. Trade No. 27173



Majestic Medium Bracket.
Trade No. 27175



Boulevard Telescope Bracket.
Trade No. 27176

A Complete Cutter Bracket Type Streethood consists of one of the Brackets shown and one of the Streethood Bodies listed on the preceding pages. Brackets listed on this page are for supporting Streethood Bodies with 3/4-inch canopy. Simple Cross Arm with 3/4-inch lock-nut (Trade No. 27194) will be furnished for spreading the wires above the Streethood Body for 40 cents list additional, when so ordered.

Style A Bracket

Consists of 4-foot gooseneck of 3/4-inch pipe with heavy 3-hole grooved pole plate. Furnished with or without brace arm for guiding line wires from back of pole to Streethood Body.

Majestic Medium Bracket

A medium-weight bracket of the same style as the Majestic Bracket shown on the page opposite. Consists of ornamental grooved pole plate, 4-foot gooseneck (double bend) of 3/4-inch pipe and wrought iron scroll. Shipped assembled complete as shown.

Boulevard Telescope Bracket

The 3/4-inch pipe telescopes into the 1 1/4-inch pipe and allows for adjustments of 5 to 7 feet in reach from pole. This bracket has a heavy 3-hole cast iron pole plate with porcelain elbow for inner wiring and a cross-arm with glass insulators. The knurled set screw in the pipe joint and the pole step in the lower corner of the scroll are for the convenience of linemen when renewing lamps.

PRICE LIST

Schedule A—Standard Package Quantity 10

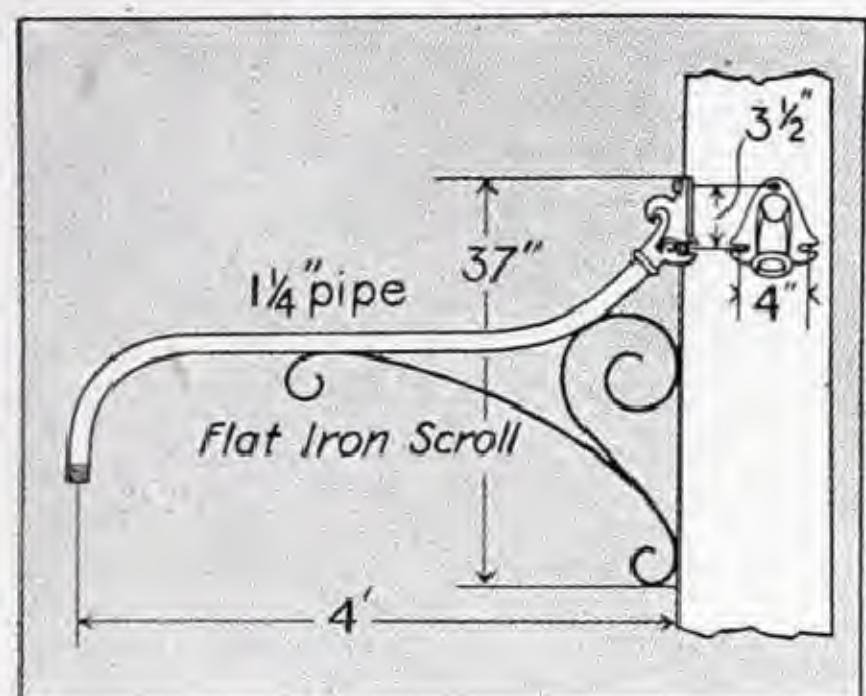
Prices below cover brackets only. Streethood Bodies to make complete Bracket Type Streethoods should be selected from the two preceding pages and ordered separately.

Trade No.	Description	Ship. Wt. lbs. each	Price each
Style A Bracket			
27173	Complete Bracket.....	7	\$1.75
27179	Bracket { 3/4-inch x 4-foot Gooseneck.....	4 3/4	1.35
27180	Consists of Grooved Pole Plate.....	2 1/4	.40
Style A Bracket with Brace Arm			
27174	Complete Bracket.....	10	\$2.45
27179	Bracket { 3/4-inch x 4-foot Gooseneck.....	4 3/4	1.35
27180	Consists of Grooved Pole Plate.....	2 1/4	.40
27181	Brace Arm.....	3	.70
Majestic Medium Bracket			
27175	Complete Bracket, Assembled.....	18	\$3.25
Boulevard Telescope Bracket			
27176	Complete Bracket.....	36	\$7.75
27147	Pole Plate with Cross Arm.....	9	1.75
27148	Bracket { Boulevard Bracket with Pole Step and Scroll.....	19	4.20
27149	Assembled.....	6	1.50
27150	{ 3/4-inch x 5-foot Pipe Bend.....	1	.15
2 Pony Glass Insulators.....			

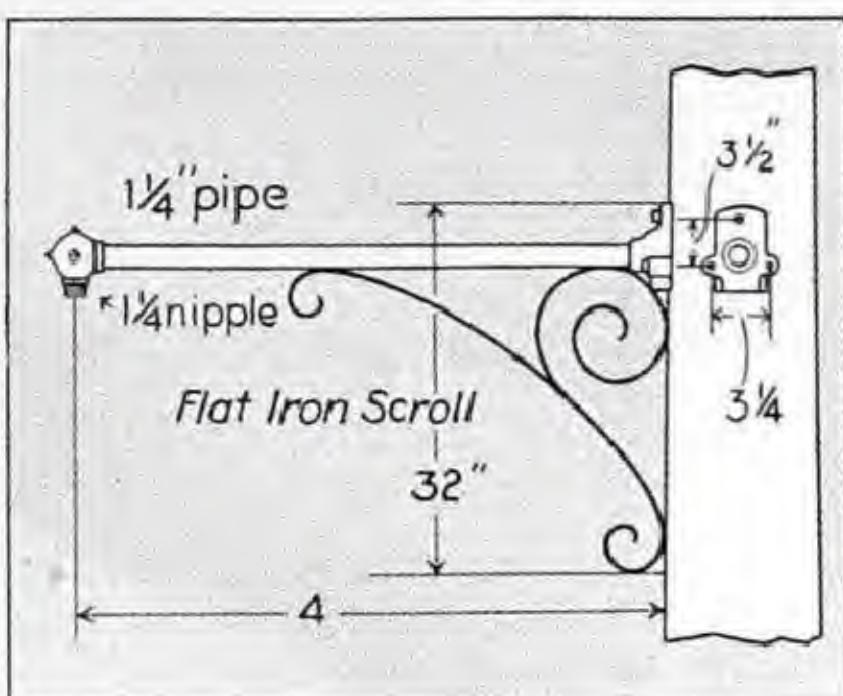
Galvanizing: When ordered in Standard Package Quantities or over, any of the brackets listed above will be furnished electro-galvanized and painted black, for 20% list additional. In less than Standard Package Quantities add 40%.

Cutter Streethood Brackets

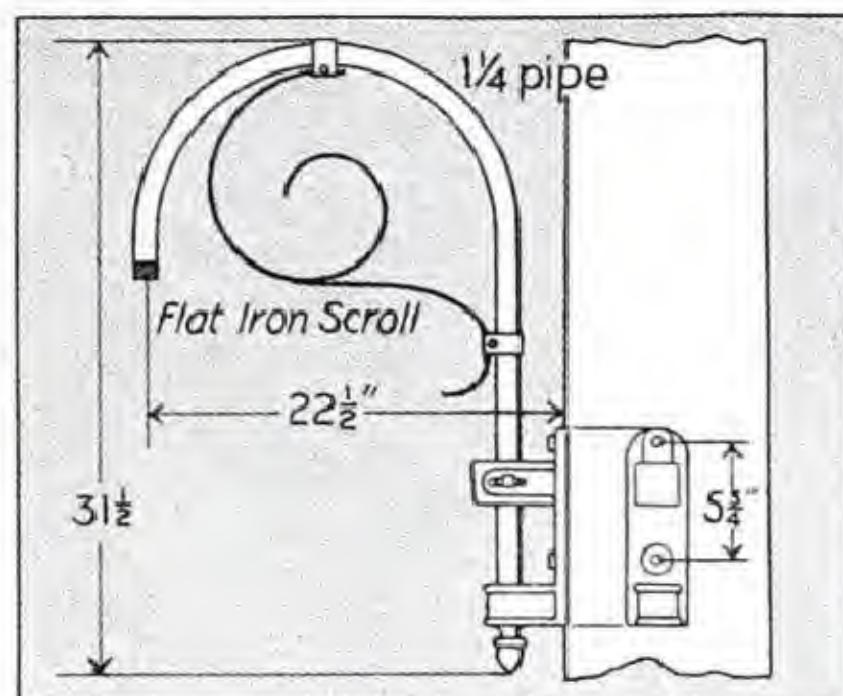
Schedule A—Standard Package Quantity 10



Majestic Senior Bracket.
(Dimensions approximate.)



Spartan Straight Arm Bracket.
(Dimensions approximate.)



Pole Crook.
(Dimensions approximate.)

A Complete Cutter Bracket Type Streethood consists of one of the brackets shown and one of the Streethood Bodies listed on the preceding pages. Brackets listed on this page are for supporting Streethood Bodies with 1 1/4-inch canopies. Simple Cross Arm with 1 1/4-inch lock-nut (Trade No. 27197) will be furnished for spreading the wires above the Streethood Body for 40 cents list additional, when so ordered.

Majestic Senior Bracket

Consists of double-bend gooseneck of 1 1/4-inch pipe with 3-hole grooved pole plate and wrought iron scroll assembled. Holds lamp 4 feet from pole.

Spartan Straight Arm Bracket

Consists of straight piece of 1 1/4-inch pipe with 3-hole pole plate, headpiece and wrought iron scroll assembled. Holds lamp 4 feet from pole. Furnished with 1 1/4-inch nipple.

Arcadian Junior Bracket

Similar to Spartan Straight Arm Bracket described above. Holds lamp 20 inches from pole. Furnished with 1 1/4-inch nipple.

Pole Crook

Made of 1 1/4-inch pipe with wrought iron scroll assembled. Clamps for attaching to pole are adjustable to compensate for the rake on trolley poles.

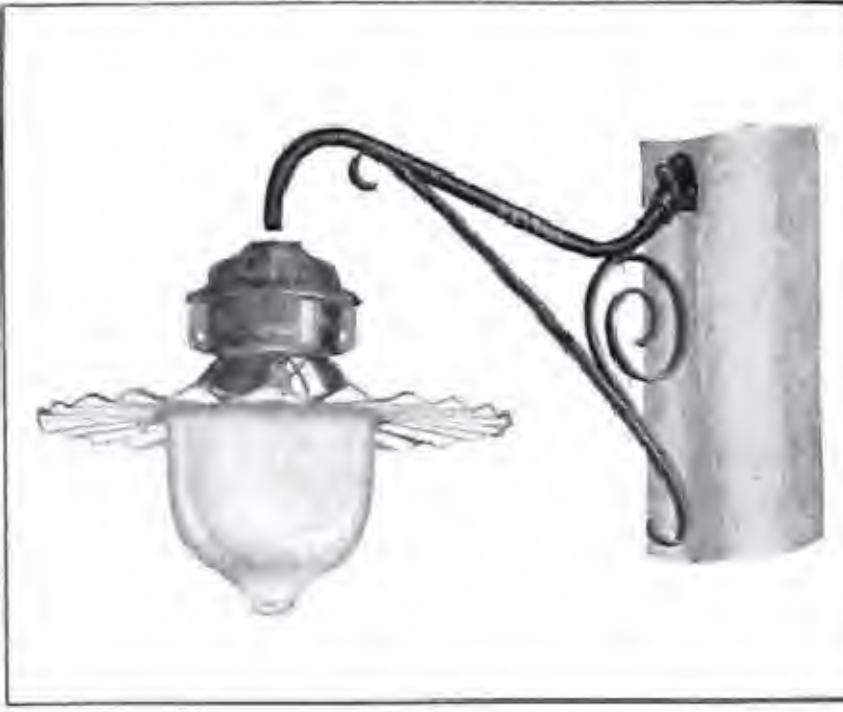
PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Brackets only. Streethood Bodies to make complete Bracket Type Streethoods should be selected from the two preceding pages and ordered separately.

Trade No.	Description	Ship. Wt. lbs. each	Price each
Majestic Senior Bracket			
27177	Complete Bracket	26	\$5.00
Spartan Straight Arm Bracket			
27151	Complete Bracket	24	\$5.00
27152	Bracket { Spartan Straight Arm Bracket Assembled	23 3/4	4.80
27198	Consists of { 1 1/4-inch Nipple	1/4	.20
Arcadian Junior Bracket			
27178	Complete Bracket	14	\$4.00
27153	Bracket { Arcadian Junior Bracket Assembled	13 3/4	3.80
27198	Consists of { 1 1/4-inch Nipple	1/4	.20
Pole Crook for Wooden Poles			
27154	Complete Bracket	28	\$6.00
27155	Bracket { Crook with Scroll Assembled	20	4.50
27156	Consists of { Pole Plate	8	1.50
Pole Crook for 4-inch Iron Poles			
27157	Complete Bracket	36	\$7.50
27155	Bracket { Crook with Scroll Assembled	20	4.50
27158	Consists of { 2 Pipe Clamps for 4-inch Pipe	8	1.50
Pole Crook for 5-inch Iron Poles			
27159	Complete Bracket	38	\$7.70
27155	Bracket { Crook with Scroll Assembled	20	4.50
27160	Consists of { 2 Pipe Clamps for 5-inch Pipe	9	1.60

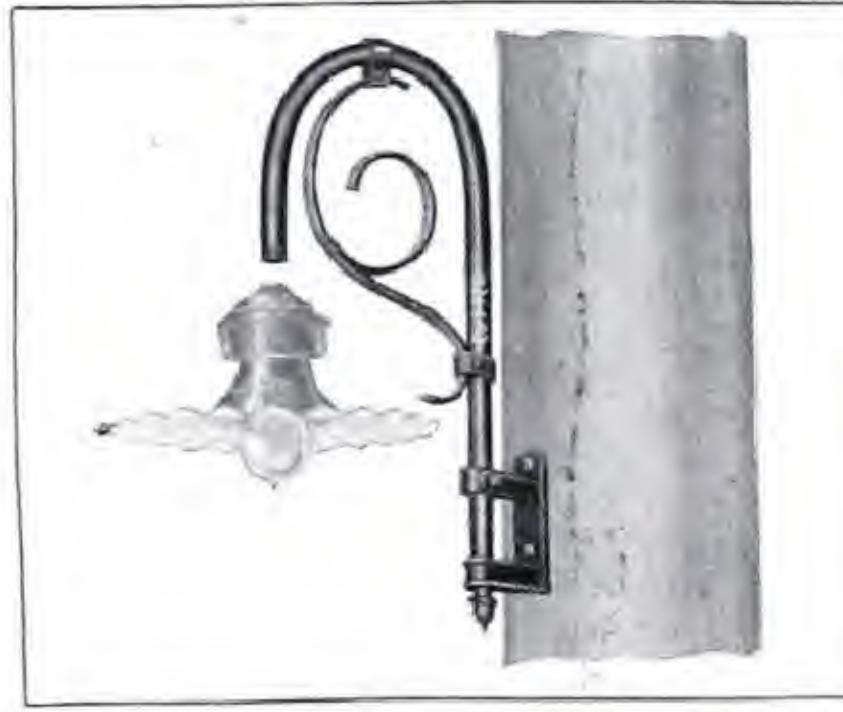
Galvanizing: When ordered in Standard Package Quantities or over, any of the brackets listed above will be furnished electro-galvanized and painted black, for 20% list additional. In less than Standard Package Quantities add 40%.



Majestic Senior Bracket.
Trade No. 27177



Spartan Straight Arm Bracket.
Trade No. 27151

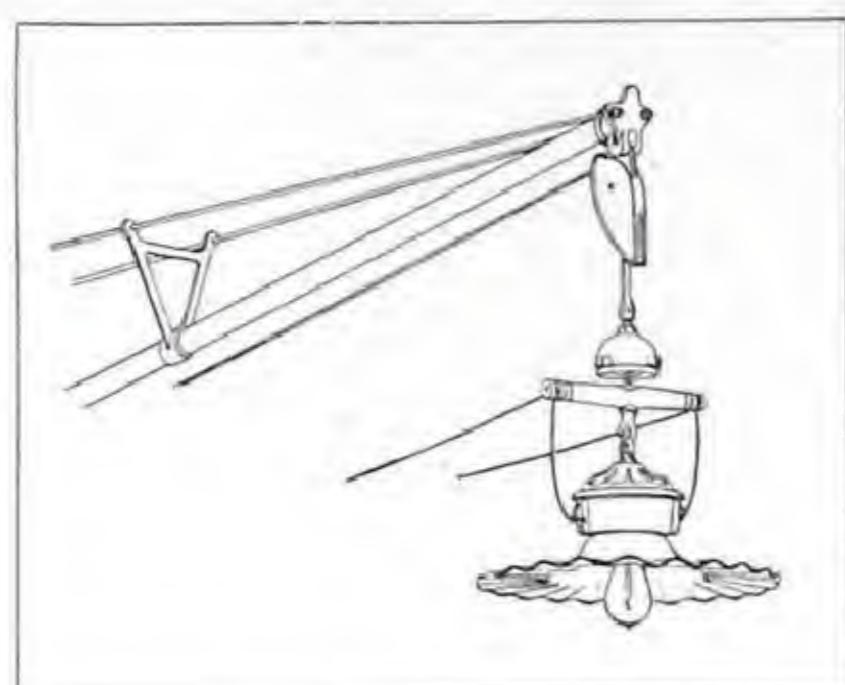


Pole Crook. Trade No. 27154

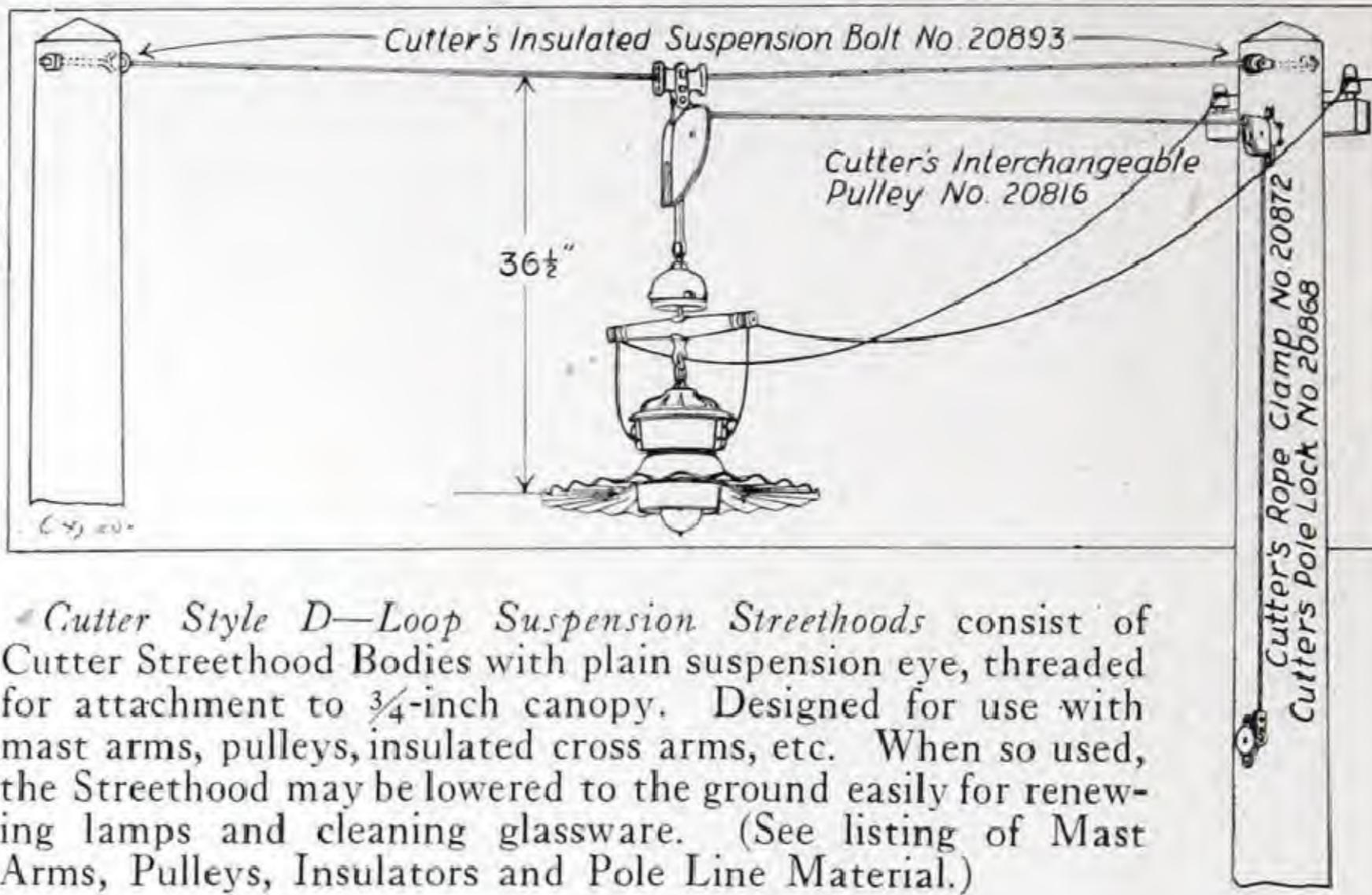
Cutter Series Suspension Streethoods

For 40, 60, 80 and 100 C. P. Series Mazda "C" Lamps

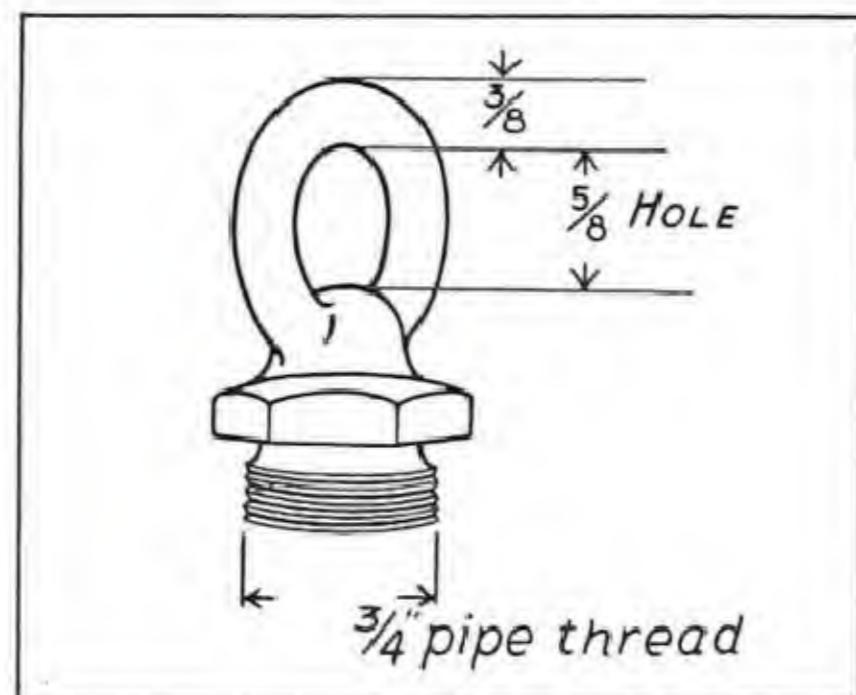
Schedule A—Standard Package Quantity 10



Cutter Junior Mast Arm.



Cutter Style D-Loop Suspension Streethoods consist of Cutter Streethood Bodies with plain suspension eye, threaded for attachment to $\frac{3}{4}$ -inch canopy. Designed for use with mast arms, pulleys, insulated cross arms, etc. When so used, the Streethood may be lowered to the ground easily for renewing lamps and cleaning glassware. (See listing of Mast Arms, Pulleys, Insulators and Pole Line Material.)



Style D Loop (1/2-size.)



Style D Streethood with 18-inch Radial Bowl Reflector.
Trade No. 27121



Style EX Streethood with 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Skirted Refractor.
Trade No. EX 27123

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethoods for 40, 60, 80 and 100 C. P. Mazda "C" Lamps
but do not include lamps or wiring.

Trade No.	Description	Ship. Wt. lbs. each	Price each	
With 18-inch Radial Bowl Reflector				
27121	Complete Streethood.....	12 1/2	\$7.15	
27161	Style D Loop.....	1/2	.15	
27141	Streethood Consists of	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27143		18-inch Radial Bowl Reflector.....	4	2.75
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Bowl Refractor				
27122	Complete Streethood.....	17 1/2	\$11.65	
27161	Style D Loop.....	1/2	.15	
27141	Streethood Consists of	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27143		18-inch Radial Bowl Reflector.....	4	2.75
27166		6 1/2-inch Holophane Bowl Refractor.....	3 1/2	3.00
27146		Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Skirted Refractor				
27123	Complete Streethood.....	17 1/2	\$11.65	
27146	Style D Loop.....	1/2	.15	
27141	Streethood Consists of	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27143		18-inch Radial Bowl Reflector.....	4	2.75
27167		6 1/2-inch Holophane Skirted Refractor.....	3 1/2	3.00
27146		Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor				
27124	Complete Streethood.....	16 1/2	\$11.65	
27161	Style D Loop.....	1/2	.15	
27141	Streethood Consists of	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27143		18-inch Radial Bowl Reflector.....	4	2.75
27168		6 1/2-inch Holophane Band Refractor.....	2 1/2	3.00
27146		Hinged Refractor Holder.....	1 1/2	1.50
With 20-inch Flat Radial Reflector				
27125	Complete Streethood.....	13 1/2	\$6.65	
27161	Style D Loop.....	1/2	.15	
27141	Streethood Consists of	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27162		20-inch Flat Radial Reflector.....	5	2.25

Cutter Styles DX, E and EX Streethoods

Style DX Streethood consists of Style D Streethood with simple cross arm No. 27186. Add prefix DX to trade number; $1\frac{1}{2}$ lbs. to the shipping weight and 35 cents to list price of Style D Streethood selected.

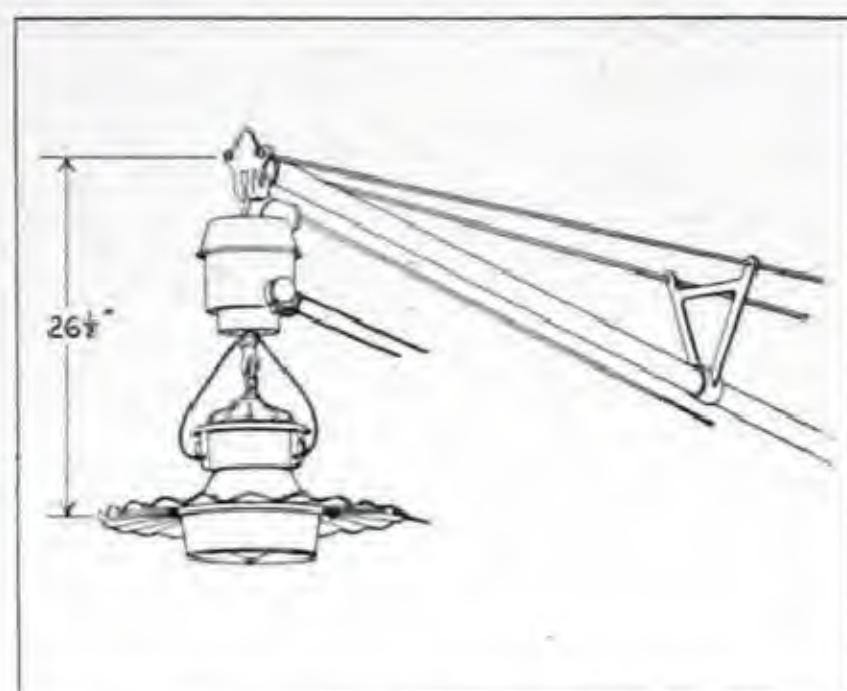
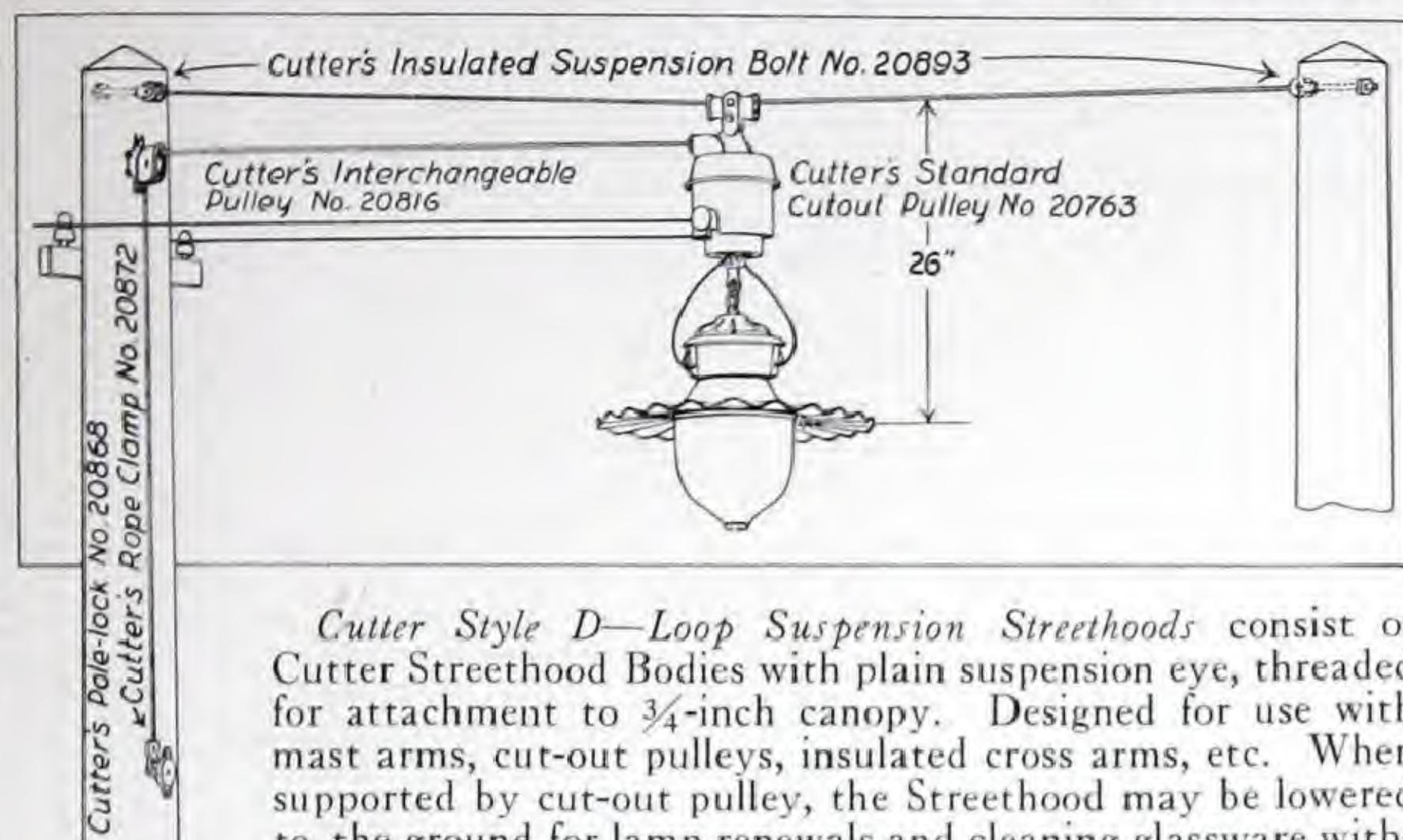
Style E Streethood consists of Style D Streethood with high voltage hood insulator No. 27163. Add prefix E to trade number; $2\frac{1}{2}$ lbs. to the shipping weight and 90 cents to list price of Style D Streethood selected.

Style EX Streethood consists of Style D Streethood with high voltage hood insulator No. 27163 and simple cross arm No. 27186. Add prefix EX to trade number; $3\frac{3}{4}$ lbs. to the shipping weight and \$1.35 to list price of Style D Streethood selected.

Cutter Series Suspension Streethoods

For 250, 400 and 600 C. P. Series Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



Cutter Style D—Loop Suspension Streethoods consist of Cutter Streethood Bodies with plain suspension eye, threaded for attachment to $\frac{3}{4}$ -inch canopy. Designed for use with mast arms, cut-out pulleys, insulated cross arms, etc. When supported by cut-out pulley, the Streethood may be lowered to the ground for lamp renewals and cleaning glassware without lowering the line wires as is done with plain pulleys. This allows the line wires to be run taut from the pole to the pulley and provides absolute protection against accidents.

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethoods for 250, 400 and 600 C. P. Series Mazda "C" Lamps, but do not include lamps or wiring.

Trade No.	Description	Shpg. wt. lbs. each	Price each
With 18-inch Radial Bowl Reflector and 8 1/2-inch Holophane Bowl Refractor			
27126	Complete Streethood	23 1/2	\$14.65
27161	Style D Loop	1/2	.15
27141	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy	8	4.25
27143	Streethood Consists of 18-inch Radial Bowl Reflector	4	2.75
27169	8 1/2-inch Holophane Bowl Refractor	9 1/2	6.00
27145	Hinged Refractor Holder	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 8 1/2-inch Holophane Skirted Refractor			
27127	Complete Streethood	22 1/2	\$14.65
27161	Style D Loop	1/2	.15
27141	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy	8	4.25
27143	Streethood Consists of 18-inch Radial Bowl Reflector	4	2.75
27170	8 1/2-inch Holophane Skirted Refractor	8 1/2	6.00
27145	Hinged Refractor Holder	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 8 1/2-inch Holophane Band Refractor			
27128	Complete Streethood	19 1/2	\$14.65
27161	Style D Loop	1/2	.15
27141	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy	8	4.25
27143	Streethood Consists of 18-inch Radial Bowl Reflector	4	2.75
27171	8 1/2-inch Holophane Band Refractor	5 1/2	6.00
27145	Hinged Refractor Holder	1 1/2	1.50
With 18-inch Radial Bowl Reflector and "Sol-lux" Diffuser			
27129	Complete Streethood	18 1/2	\$11.65
27161	Style D Loop	1/2	.15
27141	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy	8	4.25
27143	Streethood Consists of 18-inch Radial Bowl Reflector	4	2.75
27172	"Sol-lux" Diffuser	4 1/2	3.00
27145	Hinged Refractor Holder	1 1/2	1.50
With 20-inch Radial Bowl Reflector with Extension for Bare Lamps			
27130	Complete Streethood	14 1/2	\$7.90
27161	Style D Loop	1/2	.15
27141	Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy	8	4.25
27144	Streethood Consists of 20-inch Radial Bowl Reflector with Extension	6	3.50



Style D Streethood with 18-inch Radial Bowl Reflector and 8 1/2-inch Holophane Skirted Refractor.
Trade No. 27127



Style D Streethood with 18-inch Radial Bowl Reflector and "Sol-lux" Diffuser.
Trade No. 27129



Style D Streethood with 20-inch Radial Bowl Reflector with Extension.
Trade No. 27130

Cutter Styles DX, E and EX Streethoods

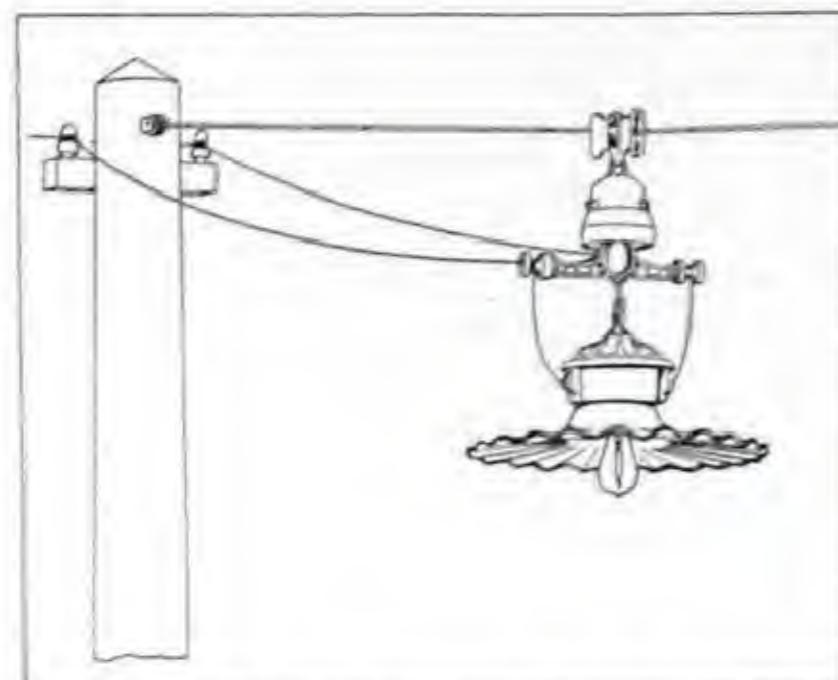
Style DX Streethood consists of Style D Streethood with simple cross arm No. 27186. Add prefix DX to trade number; 1 1/2 lbs. to the shipping weight and 35 cents to list price of Style D Streethood selected.

Style E Streethood consists of Style D Streethood with high voltage hood insulator No. 27163. Add prefix E to trade number; 2 1/2 lbs. to the shipping weight and 90 cents to list price of Style D Streethood selected.

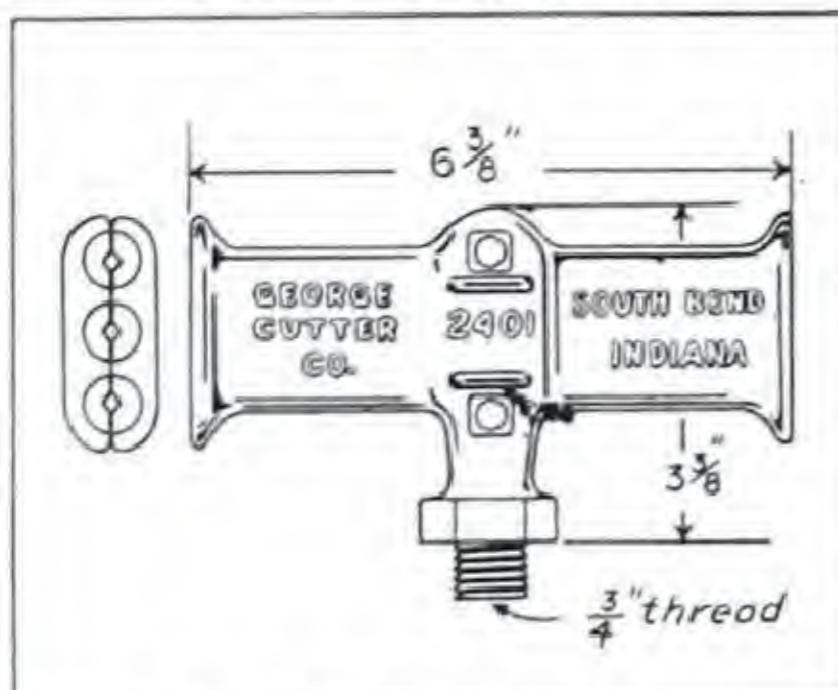
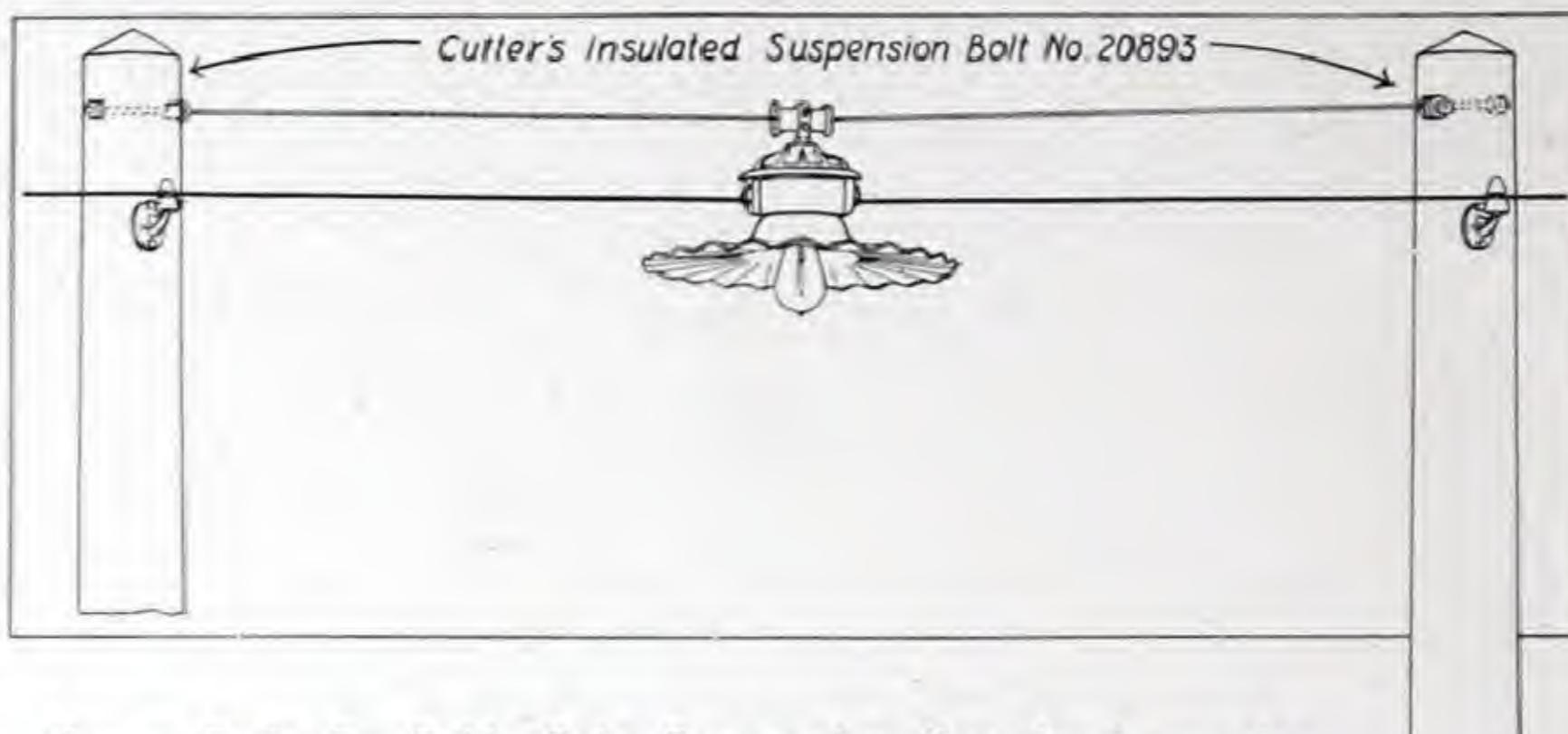
Style EX Streethood consists of Style D Streethood with high voltage hood insulator No. 27163 and simple cross arm No. 27186. Add prefix EX to trade number; 3 3/4 lbs. to the shipping weight and \$1.35 to list price of Style D Streethood selected.

Cutter Series Suspension Streethoods For 40, 60, 80 and 100 C. P. Series Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



Style GXS Streethood with 18-inch Radial Bowl Reflector.



Style F Cable Clamp



Style F Streethood with 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor.
Trade No. 27134



Style F Streethood with 20-inch Flat Radial Reflector. Trade No. 27135

Cutter Style F—Cable Grip Suspension Streethoods consist of Cutter Streethood Bodies with rigid cable clamp threaded for attachment to $\frac{3}{4}$ -inch canopy. Line wires may be tied in the rim of the porcelain head, thereby obviating the necessity of a cross arm. The cable clamp compensates for unequal sag in the cable so that the fixture may be adjusted to a level position.

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethoods for 40, 60, 80 and 100 C. P. Series Mazda "C" Lamps, but do not include lamps or wirings.

Trade No.	Description	Ship. Wt. lbs. each	Price each
With 18-inch Radial Bowl Reflector			
27131	Complete Streethood.....	14 1/2	\$ 7.60
27164	Cable Clamp.....	2 1/2	.60
27141	Streethood consists of { Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27143	18-inch Radial Bowl Reflector.....	4	2.75
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Bowl Refractor			
27132	Complete Streethood.....	19 1/2	\$12.10
27164	Cable Clamp.....	2 1/2	.60
27141	Streethood consists of { Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27143	18-inch Radial Bowl Reflector.....	4	2.75
27166	6 1/2-inch Holophane Bowl Refractor.....	3 1/2	3.00
27146	Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Skirted Refractor			
27133	Complete Streethood.....	19 1/2	\$12.10
27164	Cable Clamp.....	2 1/2	.60
27141	Streethood consists of { Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27143	18-inch Radial Bowl Reflector.....	4	2.75
27167	6 1/2-inch Holophane Skirted Refractor.....	3 1/2	3.00
27146	Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor			
27134	Complete Streethood.....	18 1/2	\$12.10
27164	Cable Clamp.....	2 1/2	.60
27141	Streethood consists of { Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27143	18-inch Radial Bowl Reflector.....	4	2.75
27168	6 1/2-inch Holophane Band Refractor.....	2 1/2	3.00
27146	Hinged Refractor Holder.....	1 1/2	1.50
With 20-inch Flat Radial Reflector			
27135	Complete Streethood.....	15 1/2	\$7.10
27164	Cable Clamp.....	2 1/2	.60
27141	Streethood consists of { Porcelain Head with Socket and $\frac{3}{4}$ -inch Canopy.....	8	4.25
27162	20-inch Flat Radial Reflector.....	5	2.25

Cutter Styles FX, G, GX and GXS Streethoods

Style FX Streethood consists of Style F Streethood with cable cross arm No. 27182. Add prefix FX to trade number; 2 lbs. to shipping weight, and 50 cents to list price of Style F Streethood selected.

Style G Streethood consists of Style F Streethood with high voltage hood insulator No. 27163. Add prefix G to trade number; 2 1/2 lbs. to shipping weight, and 90 cents to list price of Style F Streethood selected.

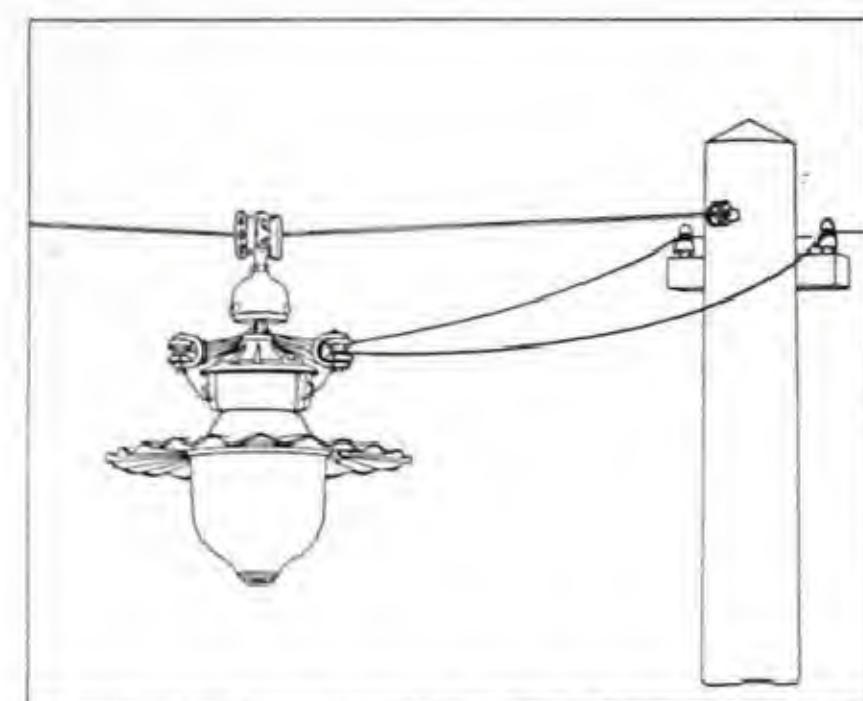
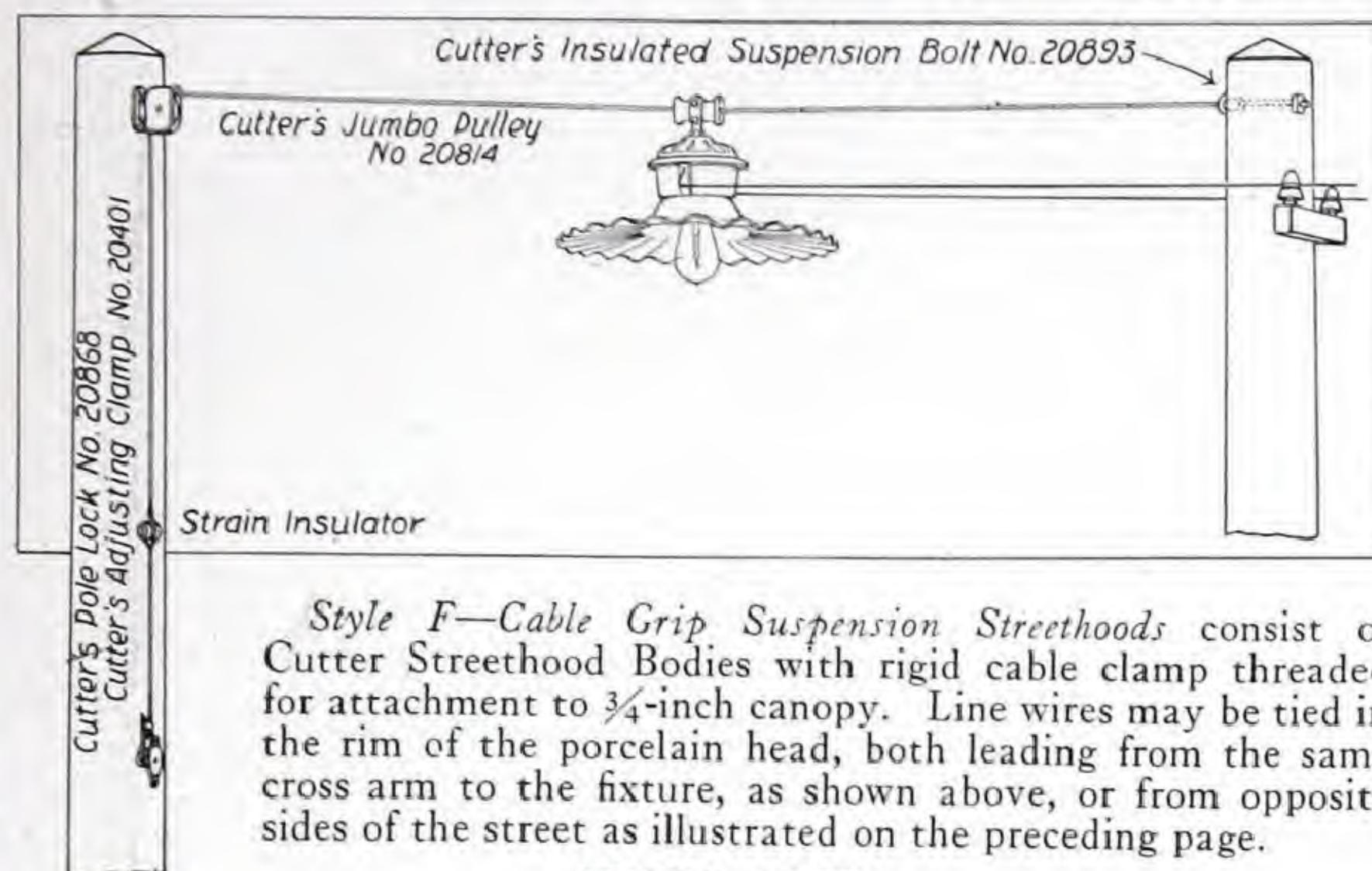
Style GX Streethood consists of Style F Streethood with cable cross arm No. 27182 and high voltage hood insulator No. 27163. Add prefix GX to trade number; 4 1/2 lbs. to shipping weight, and \$1.40 to list price of Style F Streethood selected.

Style GXS Streethood consists of Style F Streethood with Style D loop No. 27161 and Goliath cross arm No. 27165 to separate Cable Clamp from Streethood body. The fittings allow the Streethood body to swing free of the line wires attached to the cross arm and thereby find a level position regardless of the strain on the cross arm. When ordering add prefix GXS to trade number; 11 lbs. to the shipping weight, and \$2.40 to list price of Style F Streethood selected.

Cutter Series Suspension Streethoods

For 250, 400 and 600 C. P. Series Mazda "C" Lamps

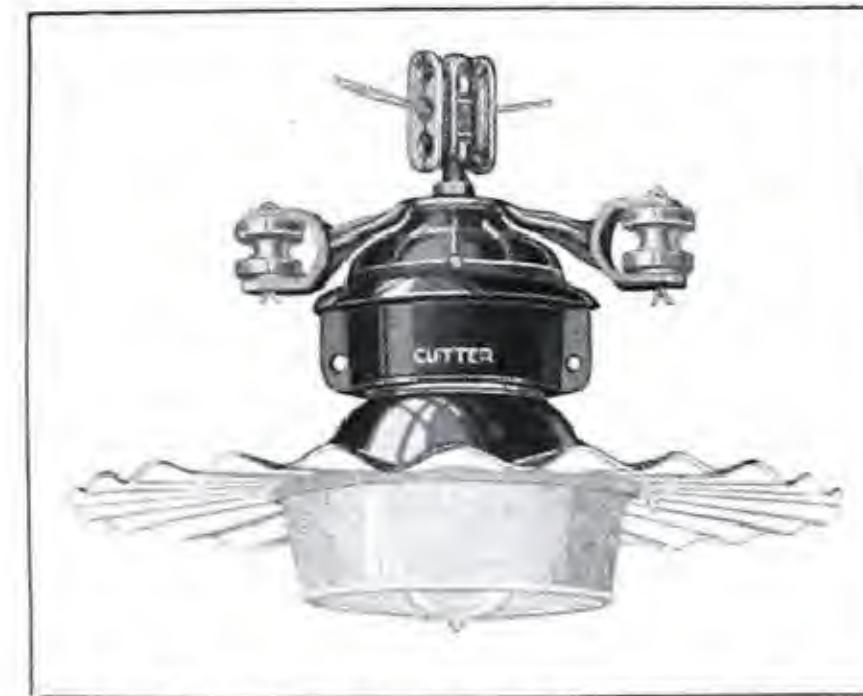
Schedule A—Standard Package Quantity 10



Style GX Streethood with 18-inch Radial Bowl Reflector and 8 1/2-inch Holophane Bowl Refractor.



Style G Streethood with 18-inch Radial Bowl Reflector and 8 1/2-inch "Sol-lux" Diffuser. Trade No. 27139



Style FX Streethood with 18-inch Radial Bowl Reflector and 8 1/2-inch Holophane Band Refractor. Trade No. 27138



Style F Streethood with 20-inch Radial Bowl Reflector with Extension. Trade No. 27140

Cutter Styles FX, G, GX and GXS Streethoods

Style FX Streethood consists of Style F Streethood with cable cross arm No. 27182. Add prefix FX to trade number; 2 lbs. to shipping weight; and 50 cents to list price of Style F Streethood selected.

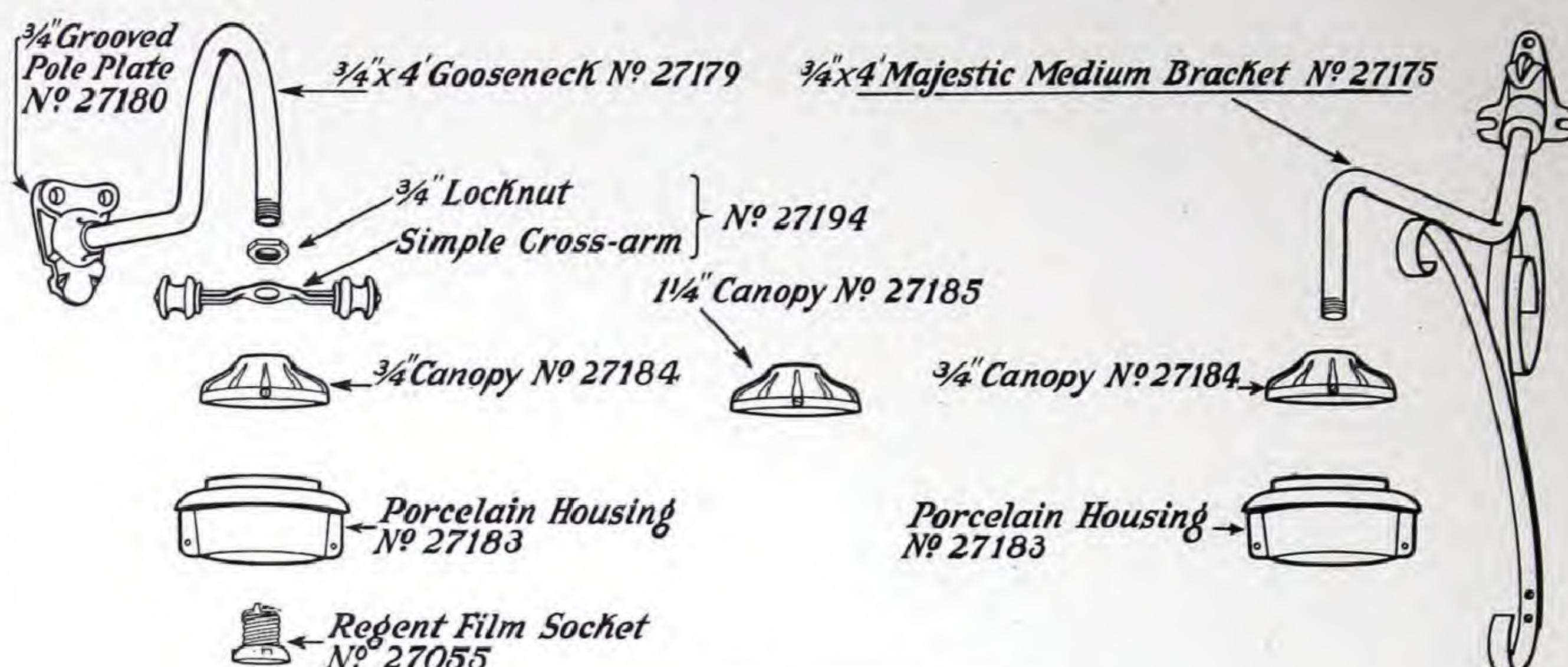
Style G Streethood consists of Style F Streethood with high voltage hood insulator No. 27163. Add prefix G to trade number; 2 1/2 lbs. to shipping weight; and 90 cents to list price of Style F Streethood selected.

Style GX Streethood consists of Style F Streethood with cable cross arm No. 27182 and high voltage hood insulator No. 27163. Add prefix GX to trade number; 4 1/2 lbs. to shipping weight; and \$1.40 to list price of Style F Streethood selected.

Style GXS Streethood consists of Style F Streethood with Style D loop No. 27161 and Goliath cross arm No. 27165 to separate Cable Clamp from Streethood body. The fittings allow the Streethood body to swing free of the line wires attached to the cross arm and thereby find a level position regardless of the strain on the cross arm. When ordering add prefix GXS to trade number; 11 lbs. to the shipping weight; and \$2.40 to list price of Style F Streethood selected.

Parts for Bracket Suspension Series Streethoods

Schedule A—Standard Package Quantity 10



Parts for Bracket Suspension Streethoods.



20-inch Flat Radial Reflector
for 40, 60, 80 and 100 C. P. Series
Mazda "C" Lamps.



18-inch Radial Bowl Reflector
for 40, 60, 80 and 100 C. P. Series
Mazda "C" Lamps.



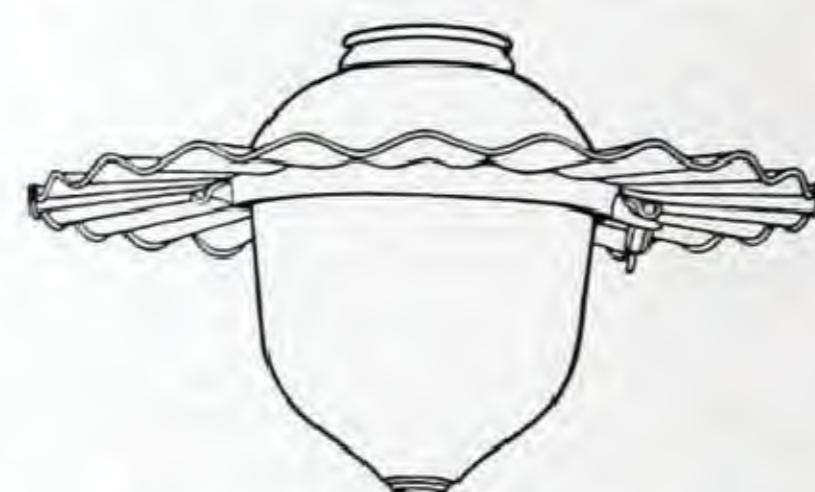
20-inch Radial Bowl Reflector
with Extension for 250, 400 and 600
C. P. Series Mazda "C" Lamps.



18-inch Radial Bowl Reflector
with 6 1/2-inch Holophane Skirted
Refractor for 40, 60, 80 and 100 C.P.
Series Mazda "C" Lamps.



18-inch Radial Bowl Reflector
with 8 1/2-inch Holophane Band
Refractor for 250, 400 and 600 C.P.
Series Mazda "C" Lamps.



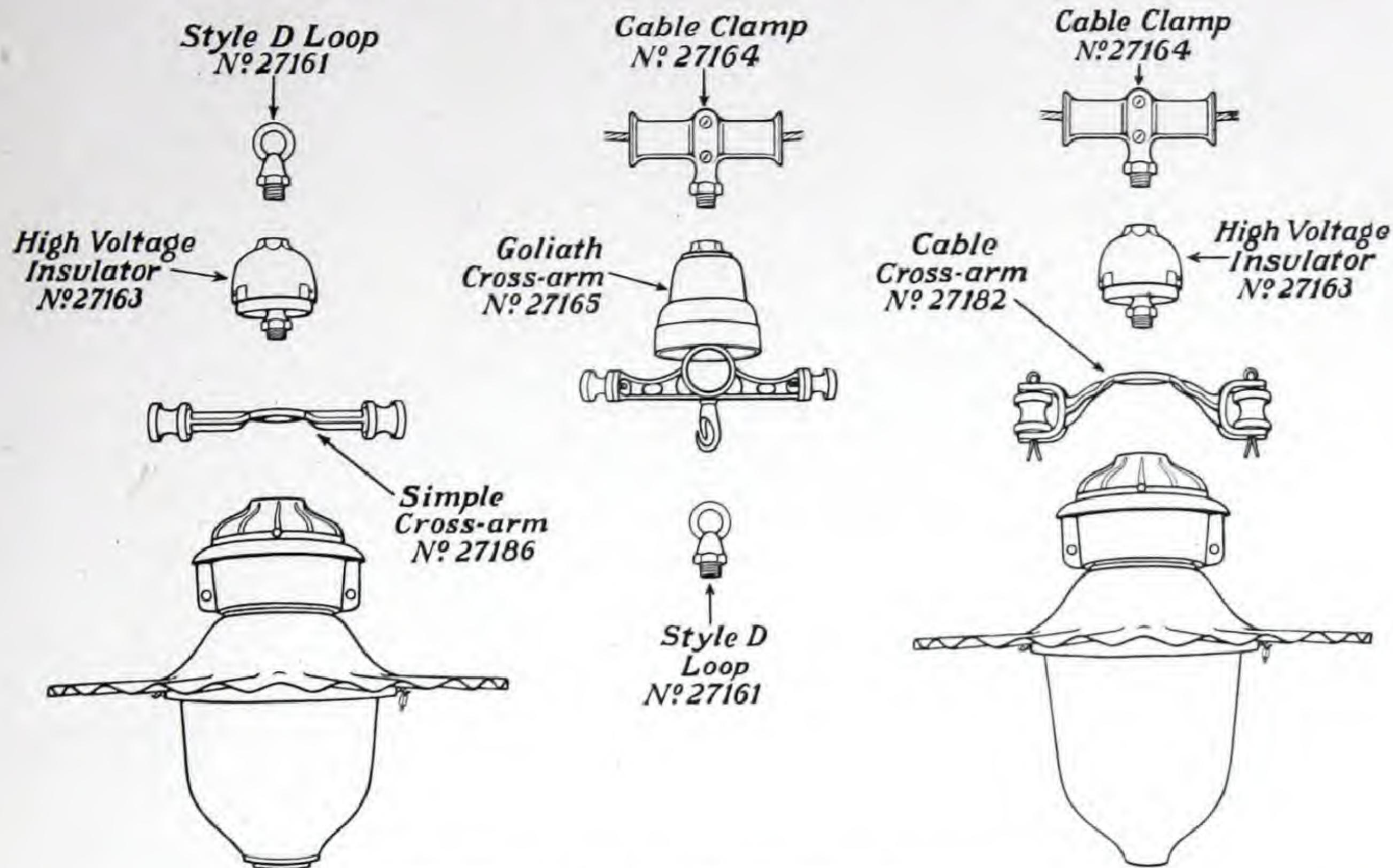
18-inch Radial Bowl Reflector
with 8 1/2-inch Holophane Bowl
Refractor for 250, 400 and 600 C.P.
Series Mazda "C" Lamps.

PRICE LIST Schedule A—Standard Package Quantity 10

Trade No.	Description	Ship. Wt. lbs. each	Price each
27141	Porcelain Head with Socket and 3/4-inch Canopy.....	8	\$4.25
27142	Porcelain Head with Socket and 1 1/4-inch Canopy.....	8	4.25
27183	Porcelain Head without Canopy.....	6	3.50
27184	3/4-inch Canopy only.....	2	.75
27185	1 1/4-inch Canopy only.....	2	.75
27055	Regent "C" Socket Part only.....	1/4	.80
27162	20-inch Flat Radial Reflector.....	5	2.25
27143	18-inch Radial Bowl Reflector.....	4	2.75
27144	20-inch Radial Bowl Reflector with Extension.....	6	3.50
27166	6 1/2-inch Holophane Bowl Refractor.....	3 1/2	3.00
27167	6 1/2-inch Holophane Skirted Refractor.....	3 1/2	3.00
27168	6 1/2-inch Holophane Band Refractor.....	2 1/2	3.00
27169	8 1/2-inch Holophane Bowl Refractor.....	9 1/2	6.00
27170	8 1/2-inch Holophane Skirted Refractor.....	8 1/2	6.00
27171	8 1/2-inch Holophane Band Refractor.....	5 1/2	6.00
27172	8 1/2-inch "Sol-lux" Diffuser.....	4 1/2	3.00
27146	6 1/2-inch Hinged Refractor Holder.....	1 1/2	1.50
27145	8 1/2-inch Hinged Refractor Holder.....	1 1/2	1.50
27194	Simple Cross Arm with Locknut for 3/4-inch pipe.....	1 1/2	.40
27197	Simple Cross Arm with Locknut for 1 1/4-inch pipe.....	1 1/2	.40

Parts for Center-Suspension Series Streethoods

Schedule A—Standard Package Quantity 10



Interchangeable Parts for Center-Suspension Streethoods.

The Streethood Bodies listed on pages 6 and 7 are listed complete with center-suspension parts on pages 10 to 13, inclusive. These suspension parts are entirely interchangeable. List of parts used to make up the various styles of Streethoods is given below. Prices of Reflectors will be found on page 14.

PRICE LIST

Schedule A—Standard Package Quantity 10

Trade No	Style	Description	Ship. Wt. lbs. each	Price each
27161	D	Style D Loop.....	½	\$0.15
27187	DX	Complete Fittings.....	2	.50
27161		Style D Loop.....	½	.15
27186		Simple Cross Arm.....	1½	.35
27188	E	Complete Fittings.....	3	1.05
27161		Style D Loop.....	½	.15
27163		High Voltage Insulator.....	2½	.90
27189	EX	Complete Fittings.....	4½	1.40
27161		Style D Loop.....	½	.15
27163		High Voltage Insulator.....	2½	.90
27186		Simple Cross Arm.....	1½	.35
27164	F	Cable Clamp.....	2½	.60
27190	FX	Complete Fittings.....	4½	1.10
27164		Cable Clamp.....	2½	.60
27182		Cable Cross Arm.....	2	.50
27191	G	Complete Fittings.....	5	1.50
27164		Cable Clamp.....	2½	.60
27163		High Voltage Insulator.....	2½	.90
27192	GX	Complete Fittings.....	7	2.00
27164		Cable Clamp.....	2½	.60
27163		High Voltage Insulator.....	2½	.90
27182		Cable Cross Arm.....	2	.50
27193	GXS	Complete Fittings.....	13½	3.00
27164		Cable Clamp.....	2½	.60
27165		Goliath Cross Arm.....	10½	2.25
27161		Style D Loop.....	½	.15

Cutter Streethood Sockets

For Series Lamps

Schedule A



Regent "C" Film Socket with Hood Fork.



Standard Film Receptacle and Mogul Base Socket.



Reactance Socket.



Porcelain Head for Streethood, without Socket.

Regent "C" Film Sockets

Consist of the Regent "C" Film Sockets and Receptacles described in detail on page three. These sockets are for use with porcelain heads No. 27195 and 27196 listed below or with other styles of Streethoods which are arranged for standard hood forks.

Trade No.	Description	Std. Pkg.	Ship. Wt. lbs. each	Price each
27050	Receptacle Mogul Base Socket and Film Holder	50	1 1/2	\$1.80
27051	Same, with 3/4-inch hood fork, rigid male nipple	50	1 3/4	2.00
27052	Same with 3/4-inch hood fork, female thread . . .	50	1 7/8	2.00
27053	Same, with 3/8-inch hood fork, female thread . . .	50	1 3/4	2.00
27054	Same, with 3/8-inch low flange, female thread . . .	50	1 5/8	2.00
27055	Lamp Socket only, with film holder	50	1/4	.80
27056	Package of 50 silk films, puncture voltage 200 . . .	500 films		1.35
27057	Package of 50 impregnated silk films, puncture voltage 350	500 films		1.35

Standard Film Sockets

Have a porcelain receptacle with wire terminals and spring clips to hold the projecting fingers of the socket part. These fingers hold the dielectric film. The receptacle fits in the porcelain heads No. 27195 and 27196 or on the hood forks listed at the bottom of this page. Screws and nuts for holding the receptacle in place are included with the porcelain heads and hood forks.

Trade No.	Description	Std. Pkg.	Ship. Wt. lbs. each	Price each
21462	Receptacle and Socket, Mogul Screw Base . . .	50	1 1/4	\$1.80
21434	Receptacle only	100	1/2	.80
20480	Socket part only, Mogul Screw Base	75	3/4	1.00
20481	Socket part only, Medium Screw Base	100	1/2	.50
21451	Package of 15 films	500 films		.60

Reactance Sockets

Consist of Cutter Mogul Screw Base Streethood Socket with special hood fork supporting a reactance coil connected in shunt with the lamp. These sockets are for use on series lighting systems, and when a lamp fails, the reactance coil compensates for the voltage drop through the lamp, thus maintaining constant current without the use of a regulator. In ordering, state voltage and amperes of circuit and voltage and candlepower rating of lamp. Furnished with 3/4-inch male nipple.

Trade No.	3.5 or 4 Amps. 60 Cycles	6.6 Amps. 60 Cycles	Candle Power Lamp	Std. Pkg.	Ship. Wt. lbs. each	Price each
20487	20491	32	25		4	\$5.30
20488	20492	40	25		5	5.50
20489	20493	60	25		6	5.65
20490	20494	80	25		7	6.00

Porcelain Heads without Sockets

Consists of porcelain body to take either Regent "C" Film Socket No. 27050 or Standard Film Socket No. 21462 ventilated cast iron canopy tapped for 3/4-inch or 1 1/4-inch pipe, and adapter ring to fit reflectors with 4-inch standard heel.

Trade No.	Description	Std. Pkg.	Ship. Wt. lbs. each	Price each
27195	With 3/4-inch Canopy, without socket	10	8	\$2.45
27196	With 1 1/4-inch Canopy, without socket	10	8	2.45

Hood Forks and Flanges

With screws and nuts for fastening sockets. Prices do not include sockets.

Trade No.	Description	Std. Pkg.	Ship. Wt. lbs. each	Price each
21713	Hook Fork with 3/4-inch rigid male nipple . . .	100	3/8	\$0.30
21484	Hood Fork with 3/4-inch female thread	100	1/2	.20
21485	Hood Fork with 3/8-inch female thread	100	1/2	.20
21486	Low Flange with 3/8-inch female thread	100	1/4	.20

Parts for Cutter Brackets

Schedule A

Goosenecks

Trade No.	Length feet	Size of Pipe inches	Std. Pkg.	Wt. lbs. each	Price each
21362	21365	3	1/2	200	2 1/8
21363	21366	4	1/2	150	3 1/8
21364	21367	5	1/2	125	4 1/8
21439	21442	3	3/4	150	3 3/4
21440	21443	4	3/4	125	4 3/4
21441	21444	5	3/4	100	5 3/4
					1.50



Style A Gooseneck.



Style B Gooseneck.

Curved Pole Plates

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
21487	Grooved, for 1/2-inch pipe...	400	1 1/4	\$0.30
27180	Grooved, for 3/4-inch pipe...	400	2 1/4	.40

Wall Flanges

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
21488	Threaded for 1/2-inch pipe...	500	1	\$0.30
21489	To slip over 1/2-inch pipe...	500	1	.30
21490	Threaded for 3/4-inch pipe...	400	2	.30
21491	To slip over 3/4-inch pipe...	400	2	.40



1/2-inch Grooved Pole Plate.



3/4-inch Grooved Pole Plate.

Corner Plates

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
21492	For 1/2-inch pipe.....	300	2 1/2	\$1.00
21493	For 3/4-inch pipe.....	200	2 1/2	1.00



3/4-inch Wall Flange.



Corner Plate.



Hood Insulator.

Hood Insulators

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
21495	With 3/4-inch stud below, tapped for 3/4-inch pipe above.....	100	2 1/2	\$0.90



Angle Change Brace Arm.

Angle Change Brace Arms

Made of cast iron with curved pole plate and fixed pins. May be used on front or back of pole.

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
21498	With glass insulators.....	150	6	\$0.80



Standard Iron Cross Arm.

Standard Iron Cross Arms

Made of cast iron with porcelain insulators. Has wire holes beneath. Tapped for either 1/2-inch or 3/4-inch pipe above, 3/4-inch nipple below. Complete with nipple.

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
20532	For 1/2-inch pipe.....	150	3	\$1.00
27539	For 3/4-inch pipe.....	150	3	1.00



Simple Cross Arm.

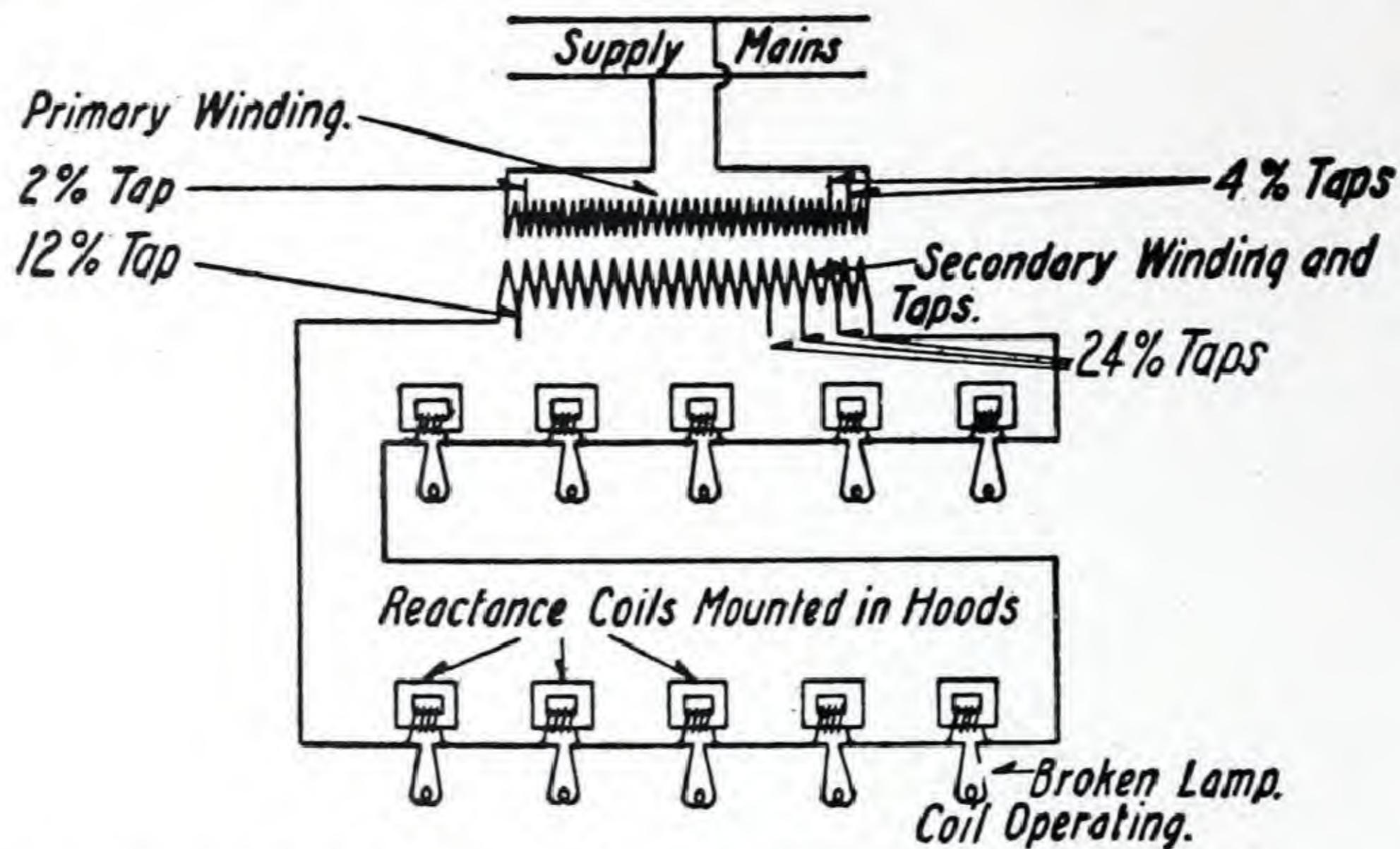
Simple Cross Arms

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
27186	Without locknut.....	150	1 1/2	\$0.35
27194	With 3/4-inch locknut.....	150	1 1/2	.40
27197	With 1 1/4-inch locknut.....	150	1 1/2	.40

Adjuster-Socket Systems

The adjuster-socket system operates only on constant-potential circuits. It consists of a simple series of lamps connected across constant-potential alternating-current mains, or across the secondary terminals of a constant-potential transformer. A reactance coil is connected in shunt across the terminals of each lamp and operates in a well-known manner to maintain the continuity and normal voltage of the circuit in case of burnouts or lamp removals.

Reactance Coil—The reactance coil is one of the simplest and most economical devices ever developed for maintaining the continuity of a lamp circuit. It has an effective reactance voltage equivalent to the voltage of a burning lamp, but the loss of energy sustained by its use is only about 4 or 5 per cent of that taken by a lamp. Taking this loss into consideration, the adjuster-socket system has an efficiency of 95 or 96 per cent with all lamps burning. The coils are so designed that lamps of increased efficiency can be used without change. The drop created by the coil when a lamp is out is such that the current is not greatly altered until about 20 per cent of the lamps on the circuit are out. Lamps of larger candlepower may be used with the standard reactance coils so long as the voltage per lamp does not greatly exceed the voltage of the lamp for which the coil is listed.



Adjuster-Socket System showing Operation of Reactance Coils to Replace Lamps.

Number of Lamps—Since the lamps are operated in series from a constant-potential source of supply, all the lamps in one circuit must be of the same ampere capacity, though not necessarily of the same candlepower. The sum of the lamp voltages should equal the supply voltage. Consequently, it is necessary to use a definite number of lamps on a given supply voltage.

Flexibility—With the adjuster-socket system, a great flexibility is possible through the use of standard transformers providing several different ranges of voltages for lamp circuits. Where the supply circuit voltage differs from that for which the standard apparatus is listed, or where the number of lamps would be better served by a different range of voltages, special transformers adapted to the existing conditions must be secured.

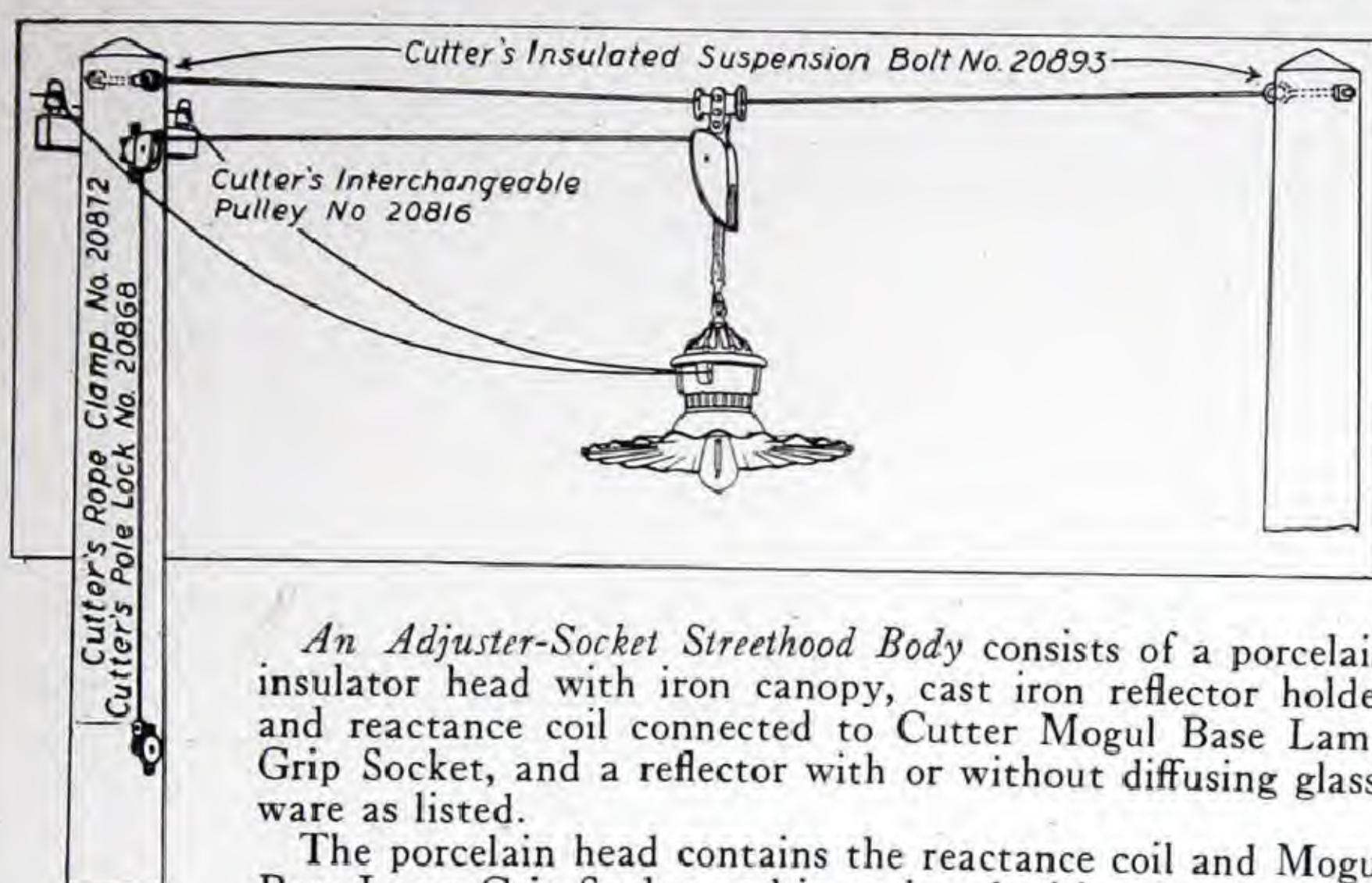
Transformers—On supply circuits up to 550 volts, it is possible to connect the lamps in series with a control switch, directly across the mains. On higher voltages, however, the supply mains should ordinarily be properly insulated from the lamp circuits by means of suitable transformers. Transformers for this purpose are regularly furnished for 2200-volt supply circuits. Transformers should be provided with weatherproof cast-iron cases suitable for indoor use, or for outdoor mounting on poles at a distance from the power station, at any advantageous point.

Voltage Variations—Taps should be provided in the primary winding by means of which any secondary voltage may be raised 2, 4, 6, 8 or 10 per cent, if operating on a 2200-volt circuit. By this arrangement any voltage within one per cent of that required by the circuit may be obtained.

Cutter Adjuster-Socket Streethood Bodies

For 40 and 60 C. P., 6.6 Ampere, 60 Cycle Series Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



An Adjuster-Socket Streethood Body consists of a porcelain insulator head with iron canopy, cast iron reflector holder and reactance coil connected to Cutter Mogul Base Lamp Grip Socket, and a reflector with or without diffusing glassware as listed.

The porcelain head contains the reactance coil and Mogul Base Lamp Grip Socket and is equipped with galvanized iron canopy painted black. The canopy is threaded for $\frac{3}{4}$ -inch pipe for fastening to brackets or center suspension fittings, or for $1\frac{1}{4}$ -inch pipe. The cast iron reflector holder is designed to give the proper relative position of reflector and lamp.

Reflectors are made of deep drawing steel and surfaced with three coats of highest grade porcelain enamel, reflective white underneath, green on top. The reflector is attached to the reflector holder by means of a 4-inch copper heel which protects the enamel from chipping.

Line wires leading to the Streethood are tied to holes in the outer rim of the porcelain, thus eliminating the use of a cross arm.

Brackets are listed separately on pages 8 and 9, center suspension fittings, page 15.

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethood Bodies for 40 and 60 C. P., 6.6 Ampere, 60 Cycle, Series Mazda "C" Lamps, but do not include lamps or wiring.

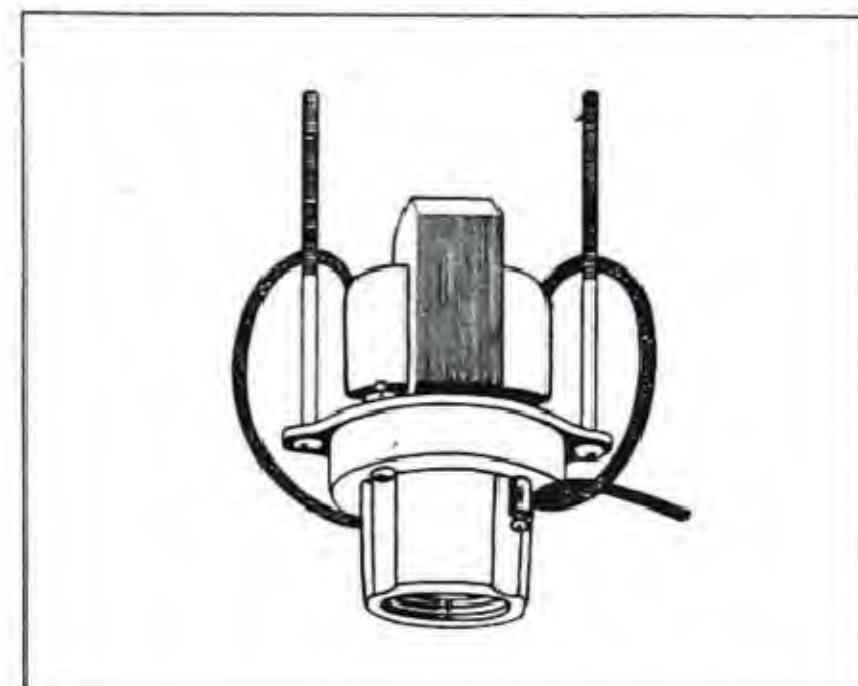
Trade No.
For $\frac{3}{4}$ -in. Pipe
For $1\frac{1}{4}$ -in. Pipe

		Description		Ship. Wt.	Price		
				lbs. each	each		
With 18-inch Radial Bowl Reflector							
Complete Unit							
27701	27702			18	\$14.00		
27734	27731	Unit	Porcelain Head with Reactance Socket, Canopy and Reflector Holder	14	11.25		
27143	27143	Consists of	18-inch Radial Bowl Reflector	4	2.75		
With 18-inch Radial Bowl Reflector and $6\frac{1}{2}$-inch Holophane Bowl Refractor							
27703	27704	Complete Unit		23	\$18.50		
27734	27731	Unit	Porcelain Head with Reactance Socket, Canopy and Reflector Holder	14	11.25		
27143	27143	Consists of	18-inch Radial Bowl Reflector	4	2.75		
27166	27166		$6\frac{1}{2}$ -in. Holophane Bowl Refractor	$3\frac{1}{2}$	3.00		
27146	27146		Hinged Refractor Holder	$1\frac{1}{2}$	1.50		
With 18-inch Radial Bowl Reflector and $6\frac{1}{2}$-inch Holophane Skirted Refractor							
27705	27706	Complete Unit		23	\$18.50		
27734	27731	Unit	Porcelain Head with Reactance Socket, Canopy and Reflector Holder	14	11.25		
27143	27143	Consists of	18-inch Radial Bowl Reflector	4	2.75		
27167	27167		$6\frac{1}{2}$ -inch Holophane Skirted Re- fractor	$3\frac{1}{2}$	3.00		
27146	27146		Hinged Refractor Holder	$1\frac{1}{2}$	1.50		
With 18-inch Radial Bowl Reflector and $6\frac{1}{2}$-inch Holophane Band Refractor							
27707	27708	Complete Unit		22	\$18.50		
27734	27731	Unit	Porcelain Head with Reactance Socket, Canopy and Reflector Holder	14	11.25		
27143	27143	Consists of	18-inch Radial Bowl Reflector	4	2.75		
27168	27168		$6\frac{1}{2}$ -in. Holophane Band Refractor	$2\frac{1}{2}$	3.00		
27146	27146		Hinged Refractor Holder	$1\frac{1}{2}$	1.50		
With 20-inch Flat Radial Reflector							
27709	27710	Complete Unit		19	\$13.50		
27734	27731	Unit	Porcelain Head with Reactance Socket, Canopy and Reflector Holder	14	11.25		
27162	27162	Consists of	20-inch Flat Radial Reflector	5	2.25		

If Streethoods for use on 25-cycle circuits are wanted add to the above prices \$1.25 each, and to the shipping weights 1 lb.



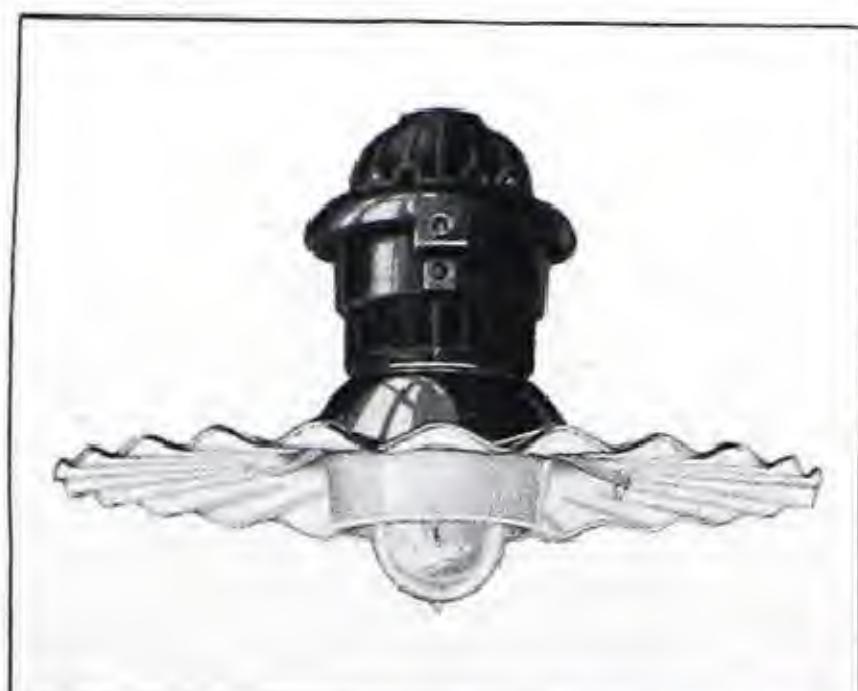
20-inch Flat Radial Streethood Body. Trade No. 27709.



Reactance Coil for 40 and 60 C. P. Lamps, with Mogul Lamp Grip Socket.



18-inch Radial Bowl Streethood Body with $6\frac{1}{2}$ -inch Holophane Bowl Refractor. Trade No. 27703.

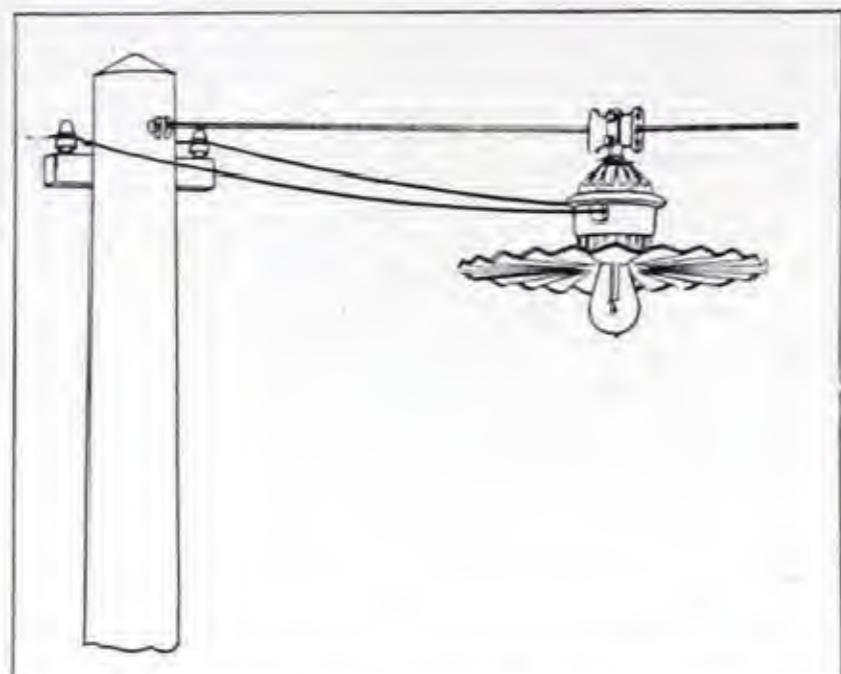


18-inch Radial Bowl Streethood Body with $6\frac{1}{2}$ -inch Holophane Band Refractor. Trade No. 27707.

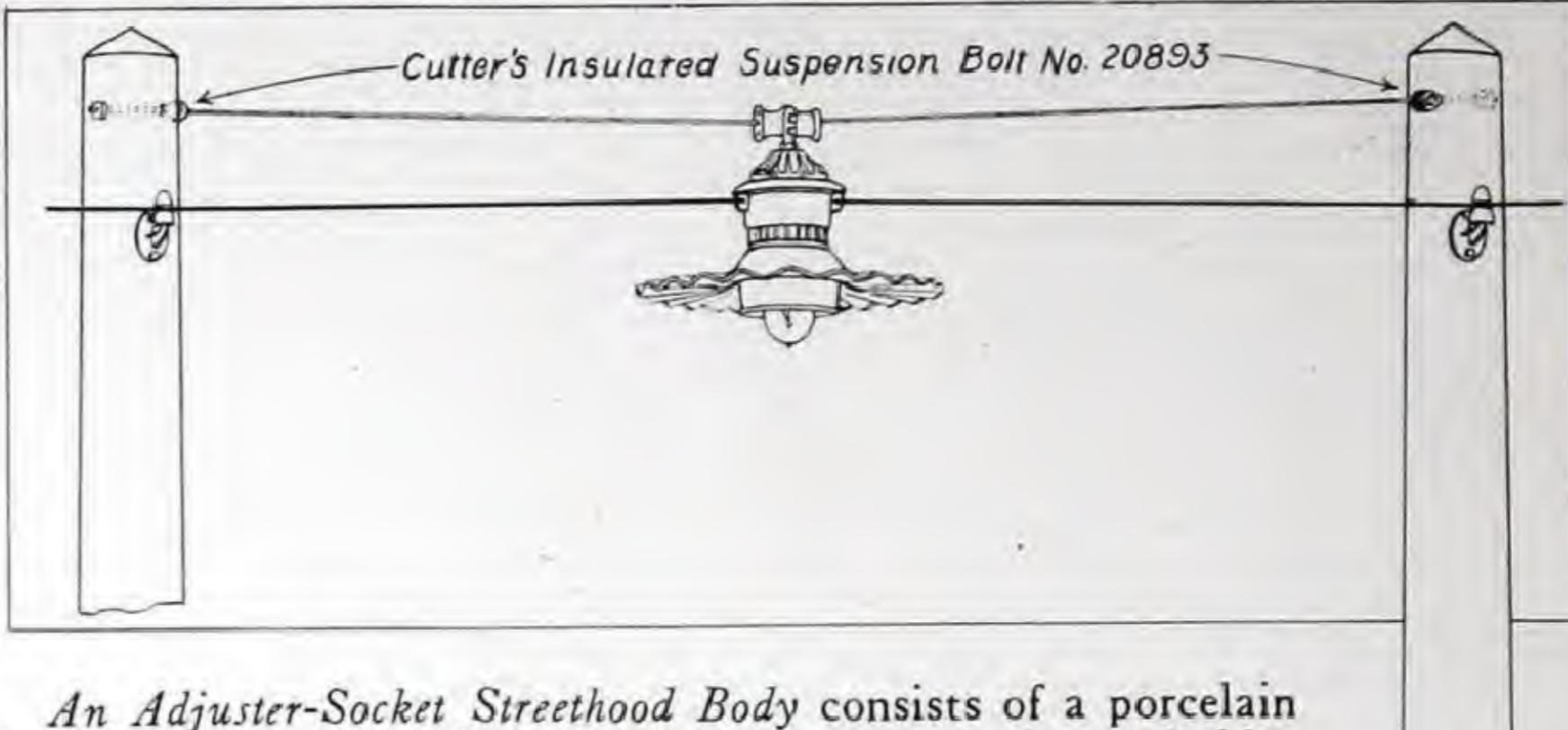
Cutter Adjuster-Socket Streethood Bodies

For 80 and 100 C. P., 6.6 Ampere, 60 Cycle Series Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



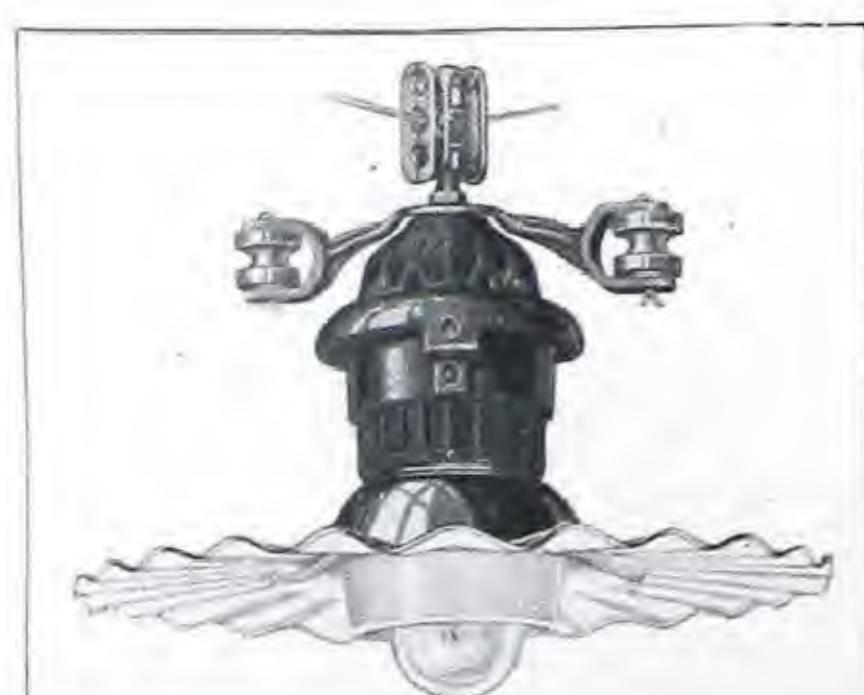
Style F Streethood with 20-inch Flat Radial Reflector.



18-inch Radial Bowl Streethood Body with 6 1/2-inch Holophane Skirted Refractor.
Trade No. 27715.



Style EX Streethood with 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Bowl Refractor.
Trade No. 27713 with No. 27189 Fittings.



Style FX Streethood with 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor.
Trade No. 27717 with No. 27190 Fittings.

An Adjuster-Socket Streethood Body consists of a porcelain insulator head with iron canopy, cast iron reflector holder and reactance coil connected to Cutter Mogul Base Lamp Grip Socket, and a reflector with or without diffusing glassware as listed.

The porcelain head contains the reactance coil and Mogul Base Lamp Grip Socket and is equipped with galvanized iron canopy painted black. The canopy is threaded for $\frac{3}{4}$ -inch pipe for fastening to brackets or center suspension fittings, or for $1\frac{1}{4}$ -inch pipe. The cast iron reflector holder is designed to give the proper relative position of reflector and lamp.

Reflectors are made of deep drawing steel and surfaced with three coats of highest grade porcelain enamel, reflective white underneath, green on top. The reflector is attached to the reflector holder by means of a 4-inch copper heel which protects the enamel from chipping.

Line wires leading to the Streethood are tied to holes in the outer rim of the porcelain, thus eliminating the use of a cross arm.

Brackets are listed separately on pages 8 and 9, center suspension fittings, page 15.

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethood Bodies for 80 and 100 C. P., 6.6 Ampere, 60 Cycle, Series Mazda "C" Lamps, but do not include lamps or wiring.

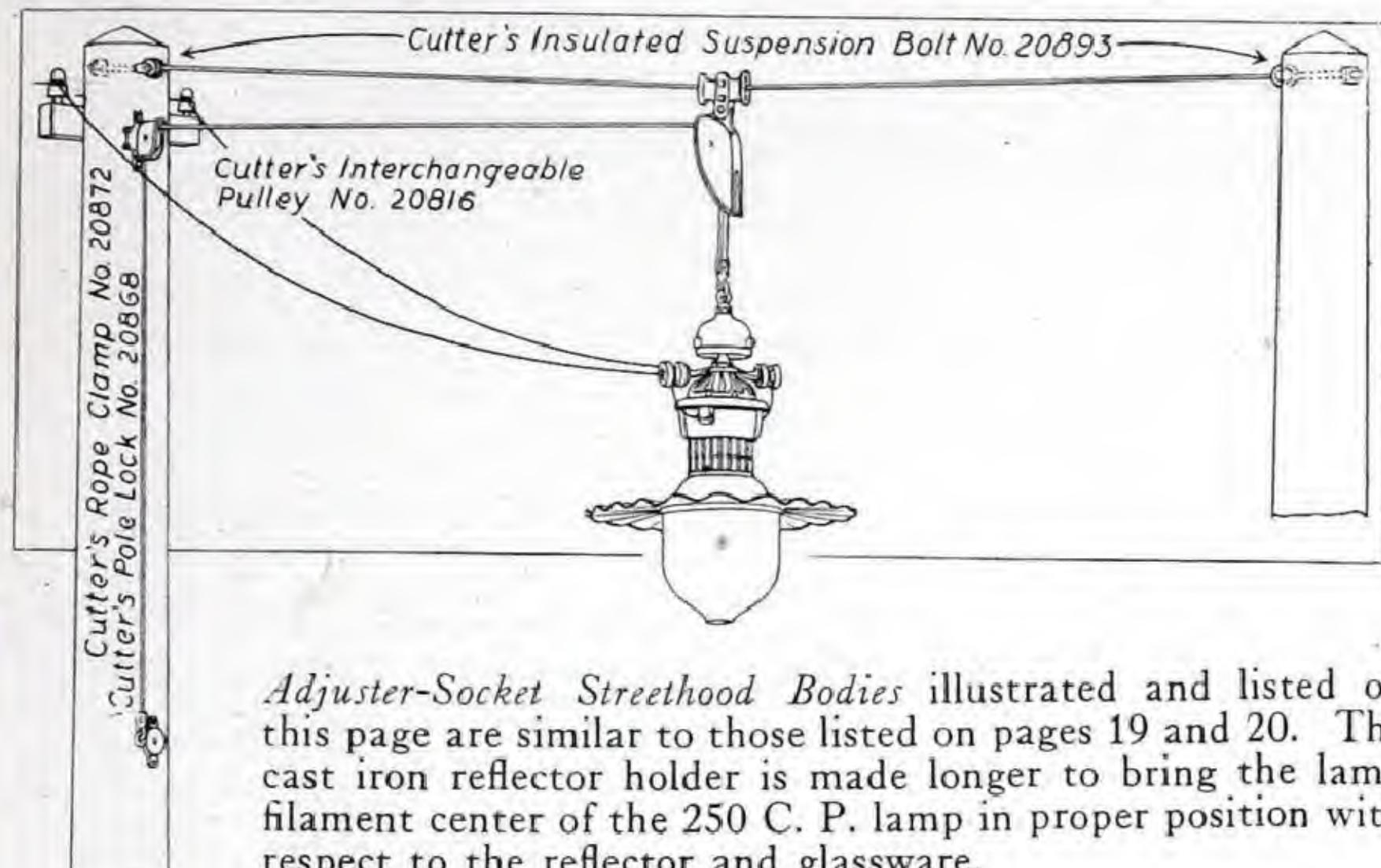
Trade No.

For $\frac{3}{4}$ -in. Pipe	For $1\frac{1}{4}$ -in. Pipe	Description	Ship. Wt. lbs. each	Price each
With 18-inch Radial Bowl Reflector				
27711 27735	27712 27732	Complete Unit.....	19	\$15.10
27143	27143	Unit Consists of { Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	15	12.35
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Bowl Refractor				
27713 27735	27714 27732	Complete Unit.....	24	\$19.60
27143	27143	Unit Consists of { Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	15	12.35
27166	27166	18-inch Radial Bowl Reflector....	4	2.75
27146	27146	6 1/2-in. Holophane Bowl Refractor.....	3 1/2	3.00
		Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Skirted Refractor				
27715 27735	27716 27732	Complete Unit.....	24	\$19.60
27143	27143	Unit Consists of { Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	15	12.35
27167	27167	18-inch Radial Bowl Reflector....	4	2.75
27146	27146	6 1/2-inch Holophane Skirted Refractor.....	3 1/2	3.00
		Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor				
27717 27735	27718 27732	Complete Unit.....	23	\$19.60
27143	27143	Unit Consists of { Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	15	12.35
27168	27168	18-inch Radial Bowl Reflector....	4	2.75
27146	27146	6 1/2-in. Holophane Band Refractor.....	2 1/2	3.00
		Hinged Refractor Holder.....	1 1/2	1.50
With 20-inch Flat Radial Reflector				
27719 27735	27720 27732	Complete Unit.....	20	\$14.60
27162	27162	Unit Consists of { Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	15	12.35
		20-inch Flat Radial Reflector....	5	2.25

If Streethoods for use on 25 Cycle Circuits are wanted, add to the above prices \$1.40 each and to the shipping weight 2 lbs.

Cutter Adjuster-Socket Streethood Bodies For 250 C. P., 6.6 Ampere, 60 Cycle Series Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



Adjuster-Socket Streethood Bodies illustrated and listed on this page are similar to those listed on pages 19 and 20. The cast iron reflector holder is made longer to bring the lamp filament center of the 250 C. P. lamp in proper position with respect to the reflector and glassware.

Brackets are listed separately on pages 8 and 9, Center Suspension Fittings on page 15.

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethood Bodies for 250 C. P., 6.6 Ampere, 60 Cycle Series Mazda "C" Lamps, but do not include lamps or wiring.

Trade No.
For $\frac{3}{4}$ -in. Pipe in. Pipe

Description
Ship. Wt.
lbs. each

Price
each

With 18-inch Radial Bowl Reflector and 8½-inch Holophane Bowl Refractor

27721	27722	Complete Unit.....	33	\$24.25
27736	27733	{ Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	18	14.00
		Unit Consists of { 18-inch Radial Bowl Reflector.....	4	2.75
27143	27143	8½-inch Holophane Bowl Refractor.....	9½	6.00
27169	27169	Hinged Refractor Holder.....	1½	1.50
27145	27145			

With 18-inch Radial Bowl Reflector and 8½-inch Holophane Skirted Refractor

27723	27724	Complete Unit.....	32	\$24.25
27736	27733	{ Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	18	14.00
		Unit Consists of { 18-inch Radial Bowl Reflector.....	4	2.75
27143	27143	8½-in. Holophane Skirted Refractor.....	8½	6.00
27170	27170	Hinged Refractor Holder.....	1½	1.50
27145	27145			

With 18-inch Radial Bowl Reflector and 8½-inch Holophane Band Refractor

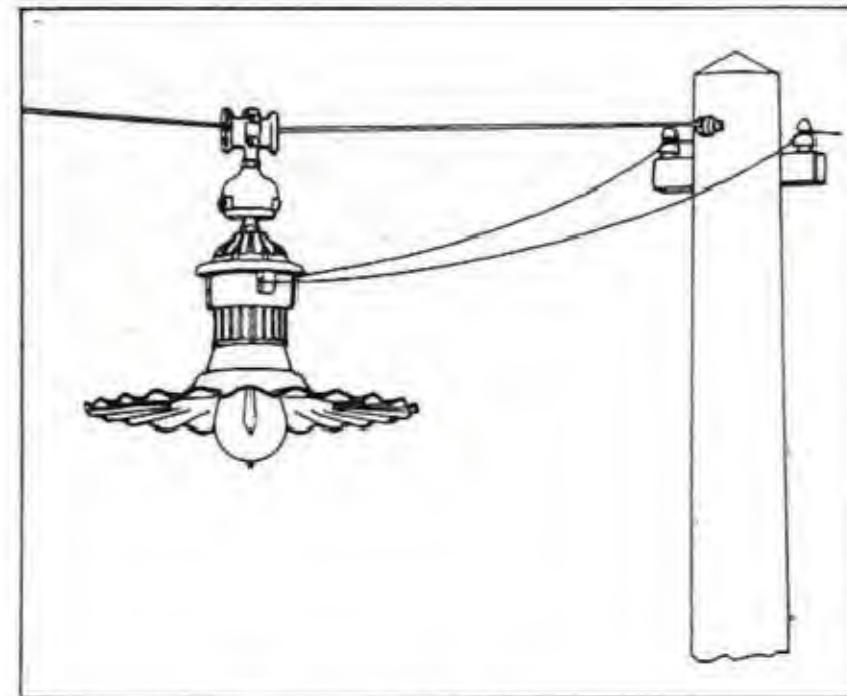
27725	27726	Complete Unit.....	29	\$24.25
27736	27733	{ Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	18	14.00
		Unit Consists of { 18-inch Radial Bowl Reflector.....	4	2.75
27143	27143	8½-inch Holophane Band Refractor.....	5½	6.00
27171	27171	Hinged Refractor Holder.....	1½	1.50
27145	27145			

With 18-inch Radial Bowl Reflector and 8½-inch "Sol-lux" Diffuser

27727	27728	Complete Unit.....	28	\$21.25
27736	27733	{ Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	18	14.00
		Unit Consists of { 18-inch Radial Bowl Reflector.....	4	2.75
27143	27143	8½-inch "Sol-lux" Diffuser.....	4½	3.00
27172	27172	Hinged Refractor Holder.....	1½	1.50
27145	27145			

With 20-inch Radial Bowl Reflector with Extension for Bare Lamps

27729	27730	Complete Unit.....	24	\$17.50
27736	27733	{ Porcelain Head with Reactance Socket, Canopy and Reflector Holder.....	18	14.00
		Unit Consists of { 20-inch Radial Bowl Reflector with Extension.....	6	3.50



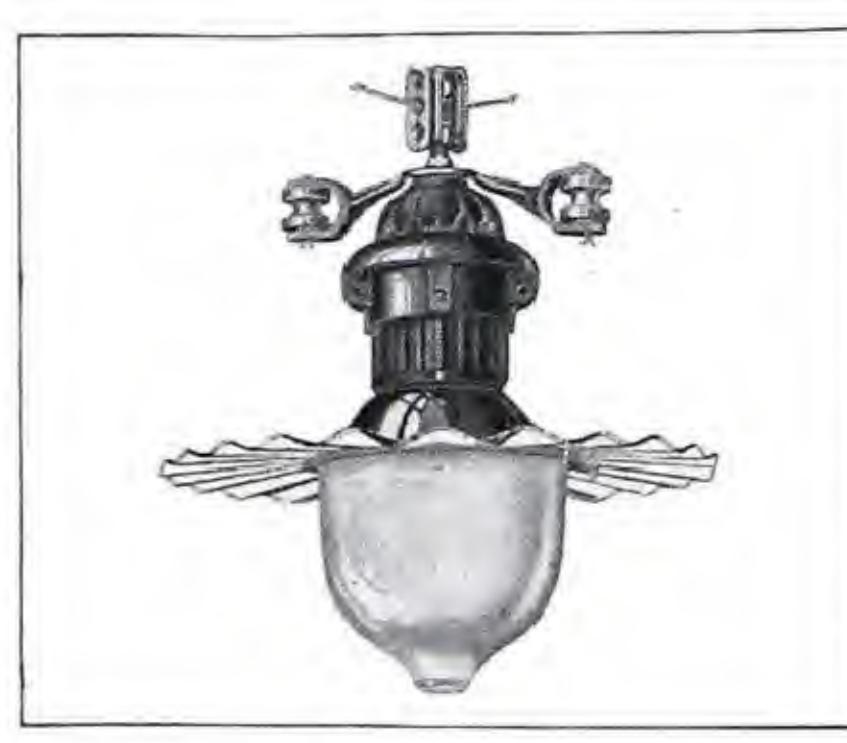
Style G 20-inch Radial Bowl Streethood Body with Extension.



18-inch Radial Bowl Streethood Body with 8½-inch "Sol-lux" Diffuser. Trade No. 27727.



Style D Streethood with 18-inch Radial Bowl Reflector and 8½-inch Holophane Band Refractor. Trade No. 27725 with No. 27161 Style D Loop.



Style FX Streethood with 18-inch Radial Bowl Reflector and 8½-inch Holophane Bowl Refractor. Trade No. 27721 with No. 27190 Fittings.

Construction of Cutter Multiple Streethoods

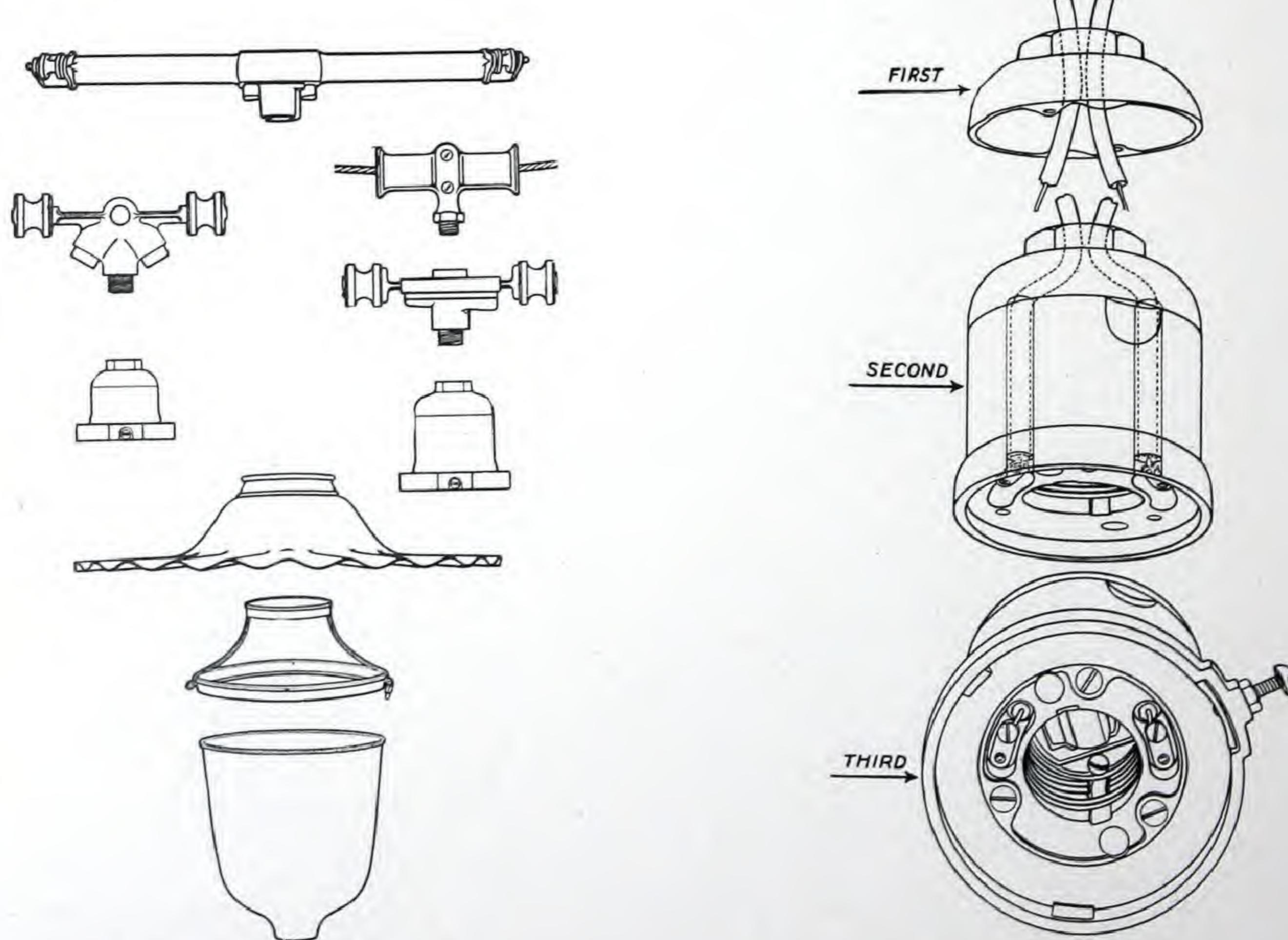
A Cutter Multiple Streethood Body consists of the Cutter "easy-to-wire" Holder-Socket with plain cap and a porcelain enameled reflector with or without diffusing glassware.

The Holder-Socket consists of a porcelain socket with cast iron cap threaded for $\frac{3}{4}$ -inch pipe or for attachment to center suspension fittings and a cast iron reflector holder to fit 4-inch standard heel reflectors. The socket is provided with lamp grips to insure perfect electrical connections and prevent the lamps loosening as a result of vibration of the fixture in the wind.

Cutter Multiple Streethood Bodies are "easy-to-wire." The wires are pulled through the cap and connected to the terminals of the socket as shown in the illustration below. The reflector is then attached rigidly by means of a single screw which grips the copper heel of the reflector and is locked in place by nuts. Only three operations are necessary to install a Cutter Multiple Streethood Body.

Reflectors are made of deep drawing steel and surfaced with three coats of highest grade porcelain enamel, reflective white underneath, green on top. The reflector is supported by a copper heel which insures maximum life because it prevents chipping of the enamel from contact with screw or clip supports. When enamel is chipped away by screws or similar supports, the metal body is exposed to the air; rust sets in and spreads rapidly over the surface of the reflector, reducing its efficiency and greatly shortening its life.

The beaded edge on Cutter Streethood Reflectors is another feature which guarantees maximum life. The edge of the steel reflector body is turned over and a smooth bead is formed. The three coats of enamel on the exterior of the reflector as well as the three coats on the interior are lapped over the beaded edge, forming a protective covering that is extremely durable.



Interchangeable Parts for Multiple Center-Suspension Streethoods.

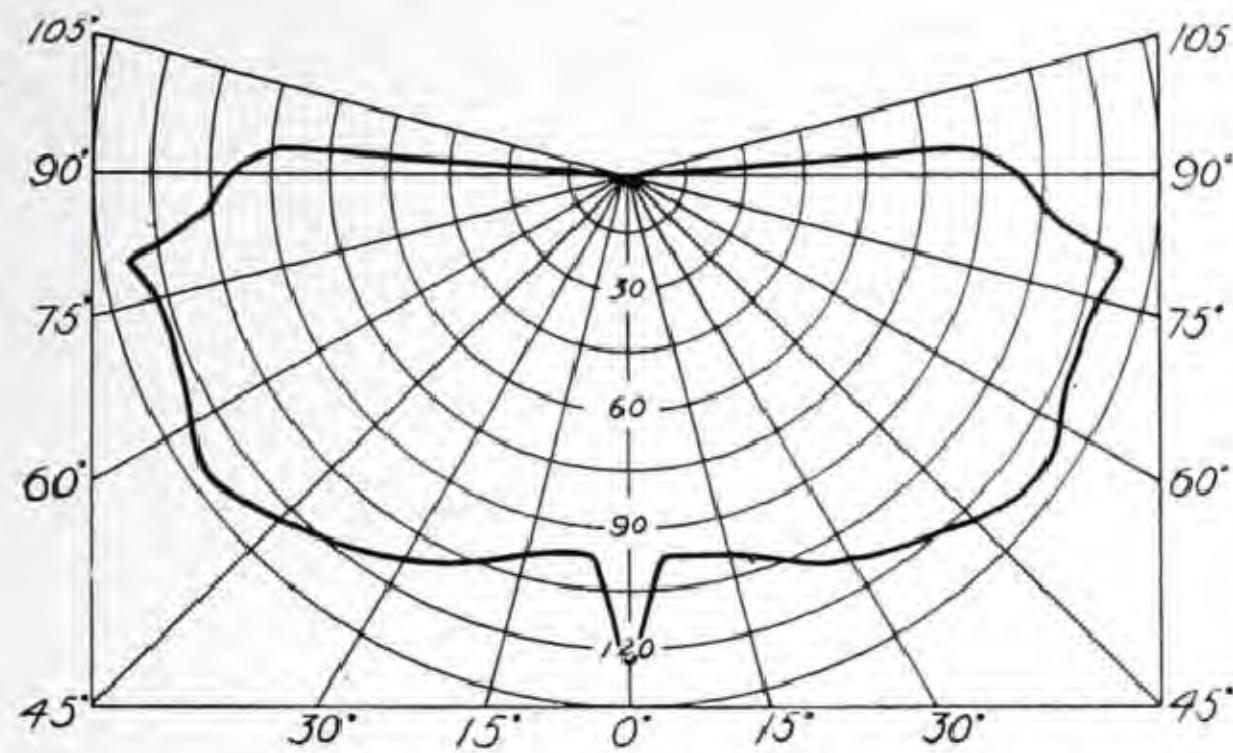
Method of Wiring Cutter Multiple Streethoods.

Efficient Illumination with Cutter Multiple Streethoods

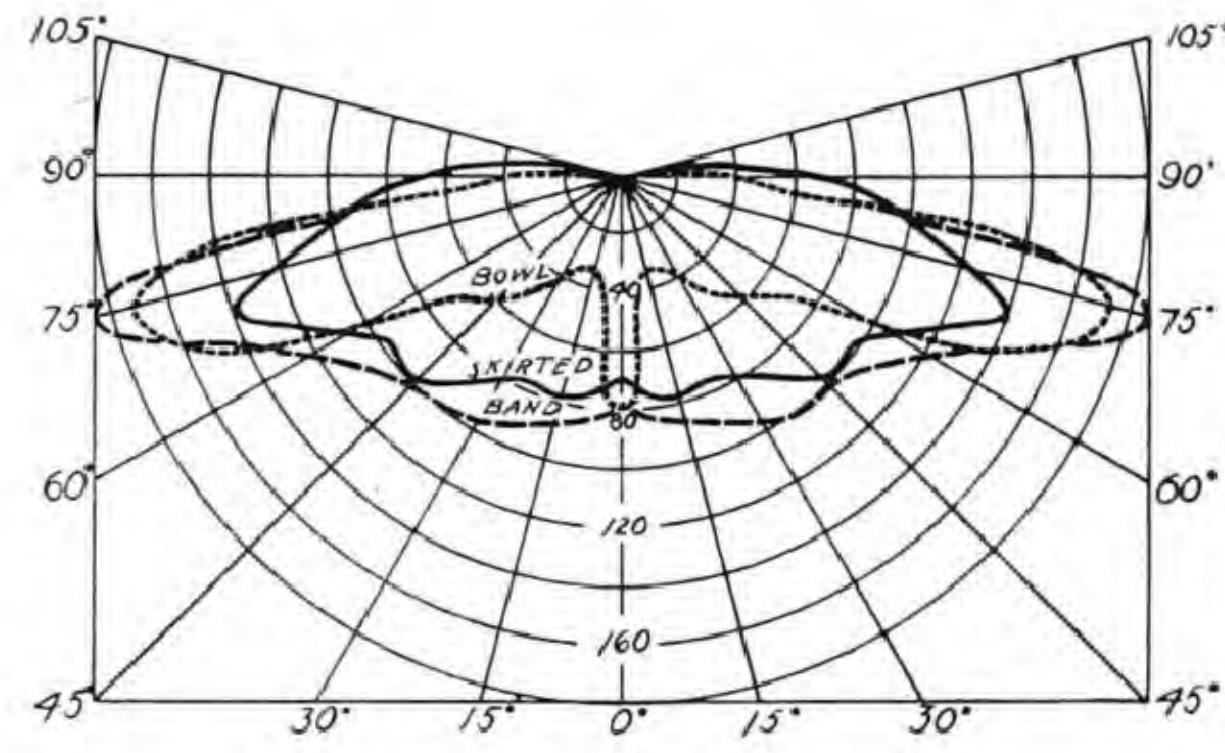
The first consideration in the selection of every street-lighting fixture is the amount of light required; that is, the size of lamp. The next consideration is the manner in which the light should be distributed. These determine one or two styles of Streethood Reflectors. The third consideration, that of the method of installation, will enable the customer to select the one best suited to his requirements. Cutter Streethood Bodies and the brackets for supporting them are listed separately. The size of lamp is given for each Streethood Body, which enables the selection of the one best suited to the lighting needs. The Streethood Body may then be offered in combination with several styles of brackets and center-suspension parts. Thus a complete fixture may be assembled to suit any condition.

To facilitate proper selection of Streethood Bodies typical distribution curves of Mazda lamps with each reflector are shown below.

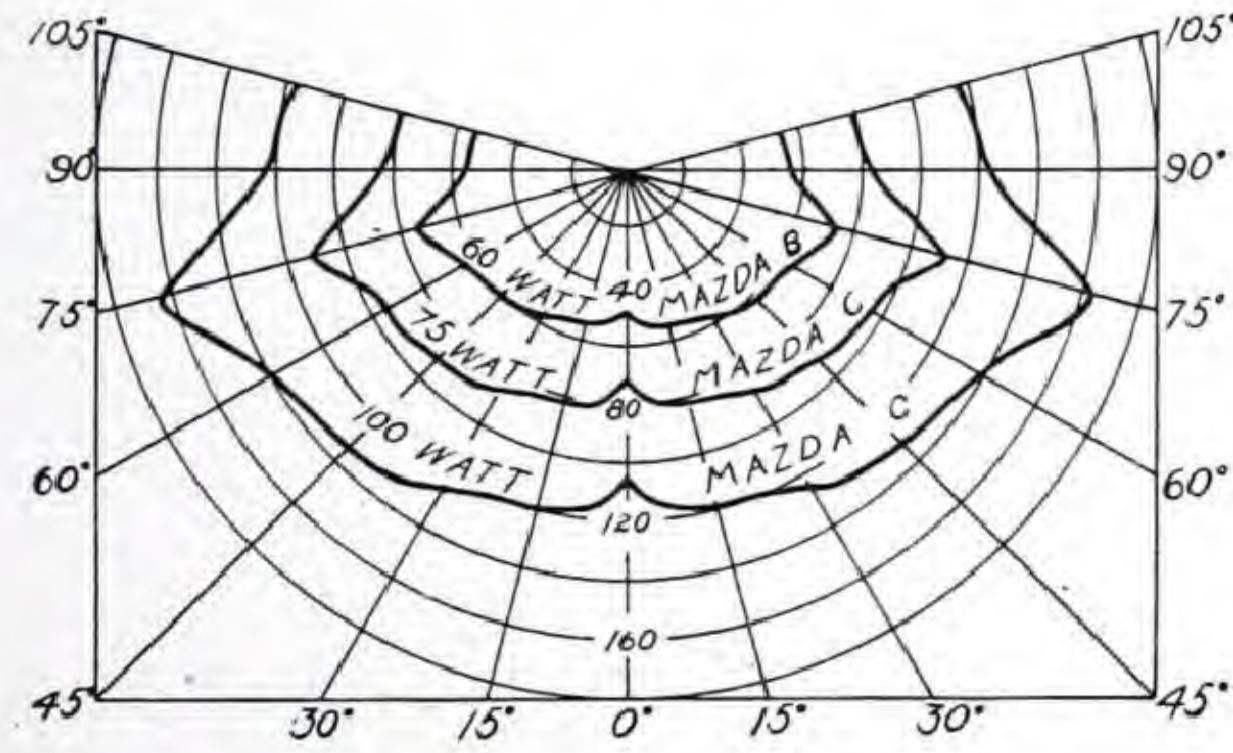
Distribution Curves



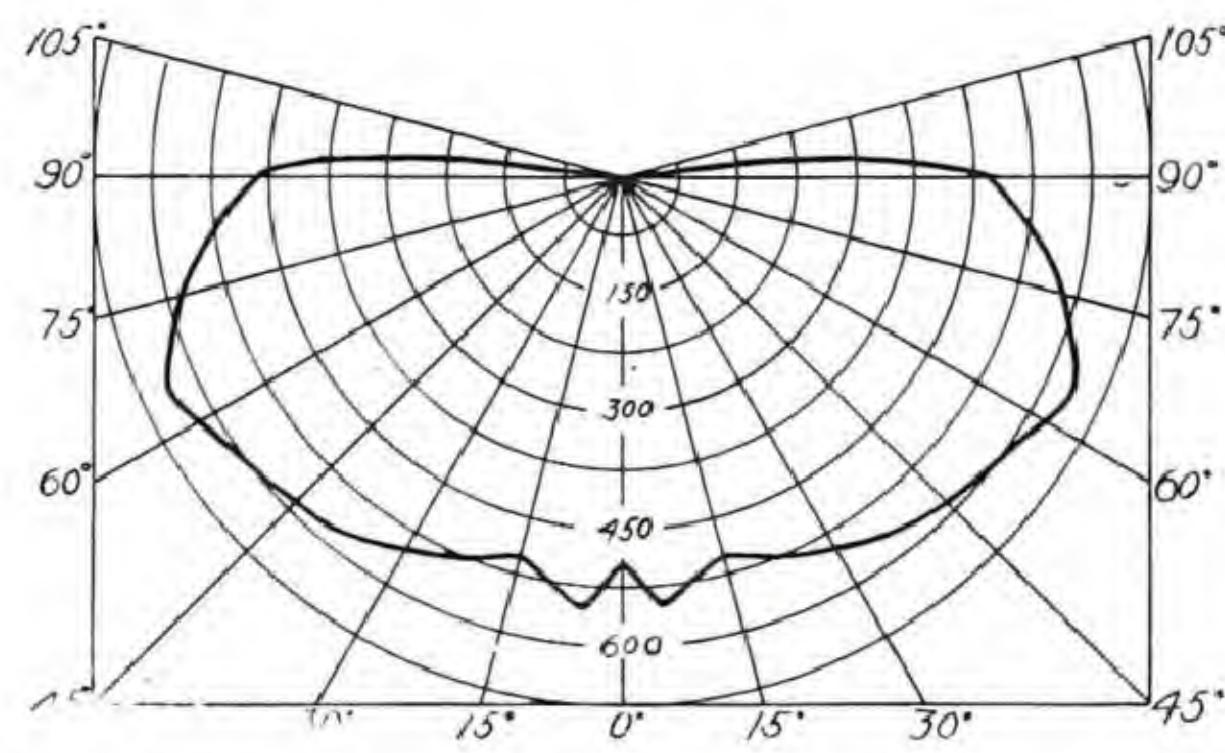
Distribution Curves of 100 Watt Mazda "C" Lamp with 18-inch Radial Bowl Reflector.



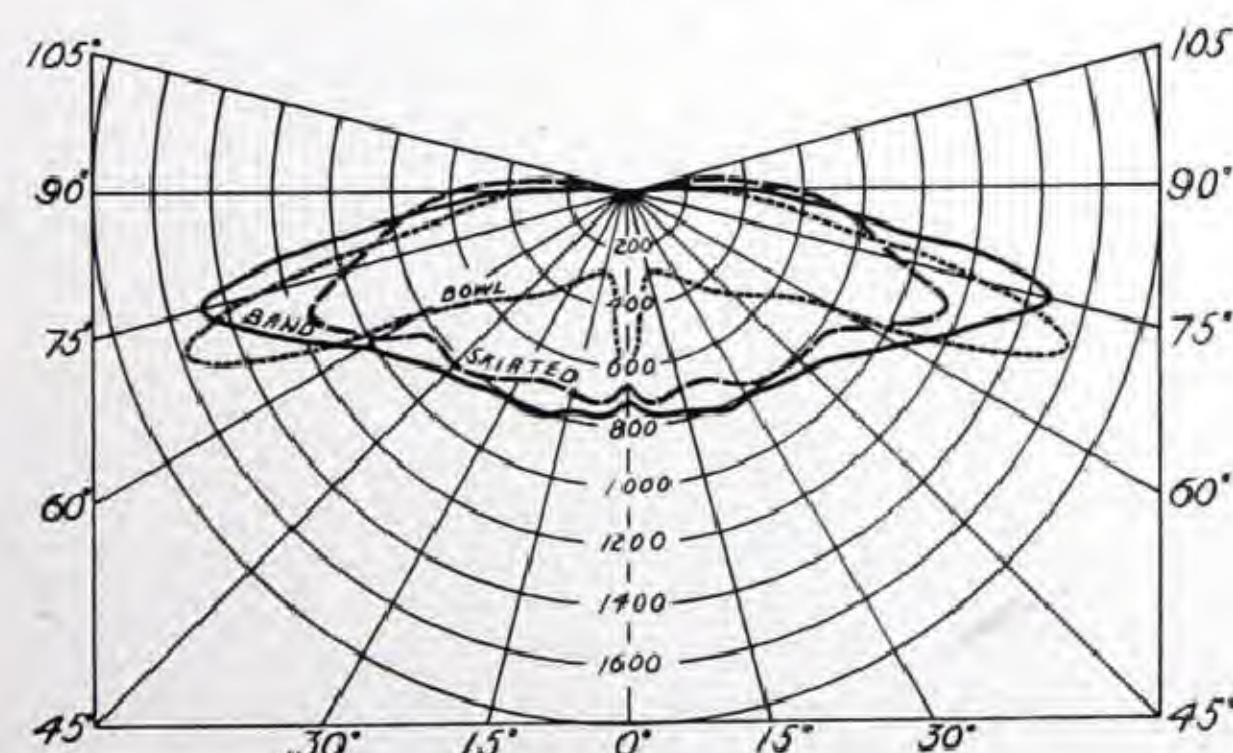
Distribution Curves of 100 Watt Mazda "C" Lamp and 18-inch Radial Bowl Reflector with 6 1/2-inch Holophane Bowl Refractor; Band Refractor and Skirted Refractor.



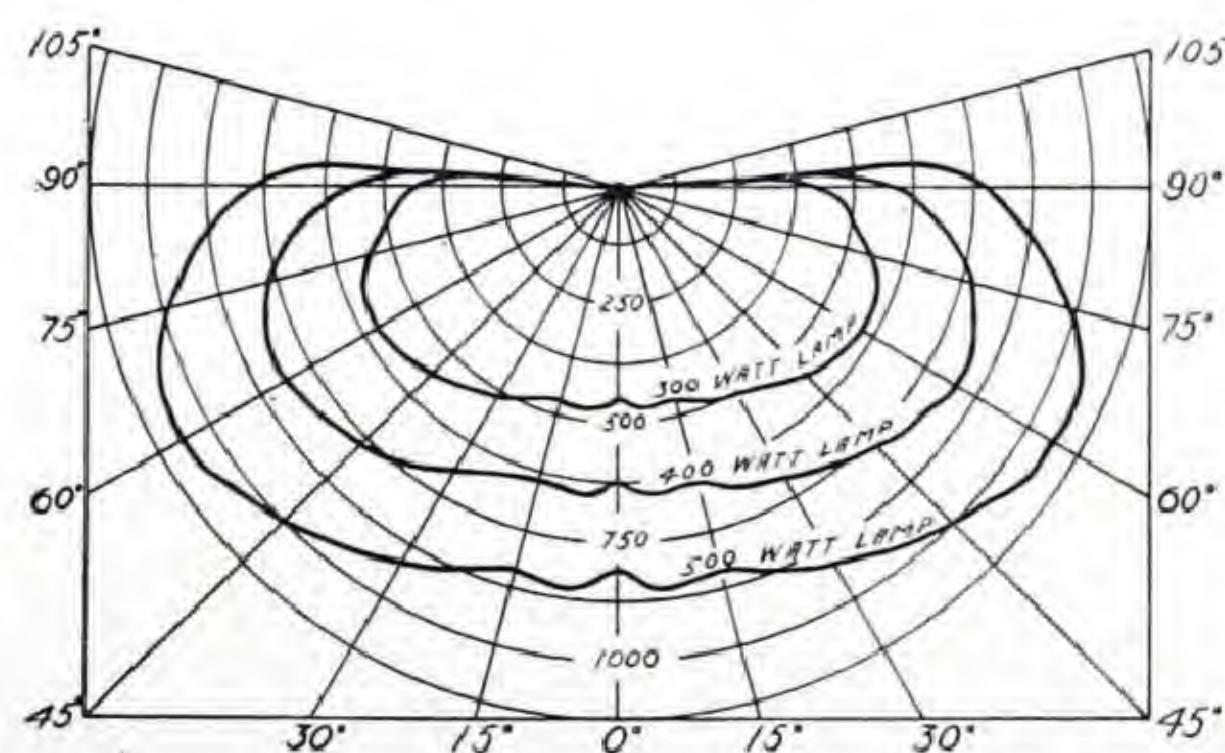
Distribution Curves of 20-inch Flat Radial Reflector with 60 Watt Mazda "B" Lamp and 75 and 100 Watt Mazda "C" Lamps.



Distribution Curves of 300 Watt Mazda "C" Lamp and 20-inch Radial Bowl Reflector with Extension.



Distribution Curves of 500 Watt Mazda "C" Lamp with 18-inch Radial Bowl Reflector and 8 1/2-inch Bowl, Band and Skirted Refractors.



Distribution Curves of 300, 400 and 500 Watt Mazda "C" Lamps with 18-inch Radial Bowl Reflectors and "Sol-lux" Diffusers.

Cutter Multiple Streethood Bodies

For 40, 60, 75, 100, 150 and 200 Watt Multiple Mazda "B" and "C" Lamps

Schedule A—Standard Package Quantity 10



20-inch Flat Radial Streethood Body for Inside Wiring.
Trade No. 27504.



20-inch Flat Radial Streethood Body with Standard Iron Cross Arm. Trade No. 27504 with No. 27539 Cross Arm.



18-inch Radial Bowl Streethood Body for Inside Wiring.
Trade No. 27500.



18-inch Radial Bowl Streethood Body with 6 1/2-inch Holophane Bowl Refractor and Standard Iron Cross Arm. Trade No. 27500 with No. 27539 Cross Arm.



Distribution Curves of
A—20-inch Flat Radial Wave Reflector with 60 Watt Mazda "B" Lamp.
B—18-inch Radial Bowl Reflector with 200 Watt Mazda "C" Lamp.
C—18-inch Radial Bowl Reflector with 100 Watt Mazda "C" Lamp
and 6 1/2-inch Holophane Bowl Refractor.

A Cutter Multiple Streethood Body consists of the Cutter "easy-to-wire" Holder-Socket with plain cap and a porcelain enameled reflector. Caps are threaded for $\frac{3}{4}$ -inch pipe.

The Holder-Socket is provided with lamp grips to prevent lamps from falling out as a result of vibration of the fixture in the wind.

Cutter Multiple Streethood Bodies are "easy-to-wire." The wires are pulled through the cap and connected to the terminals of the socket. The reflector is then attached rigidly by means of a single screw which grips the copper heel of the reflector and is locked in place by nuts. Only three operations are necessary to install a Cutter Multiple Streethood Body.

Reflectors are made of deep drawing steel and surfaced with three coats of highest grade porcelain enamel, reflective white underneath, green on top. The reflector is supported by a copper heel which protects the enamel from chipping.

PRICE LIST

Schedule A—Standard Package Quantity 10

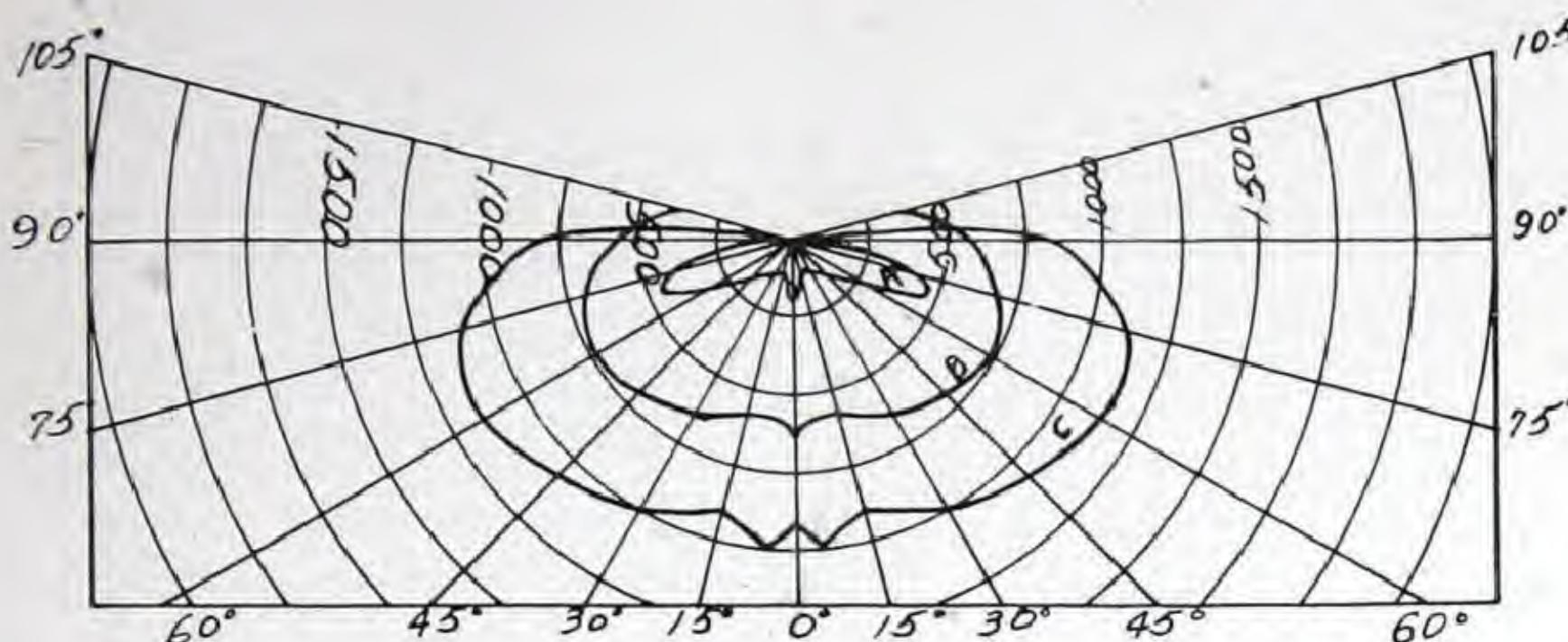
Prices below cover Streethood Bodies with Medium Screw Base Holder-Sockets for 40, 60, 75, 100, 150 and 200 Watt Multiple Mazda "B" and "C" Lamps, but do not include lamps or wiring.

Trade No.	Description	Ship. Wt. lbs. each	Price each
With 18-inch Radial Bowl Reflector for 100, 150 and 200 Watt Multiple Mazda "C" Lamps			
27500	Complete Unit.....	6	\$5.25
27536	Unit { Holder-Socket with Plain Cap for $\frac{3}{4}$ -inch Pipe.....	2	2.50
27143	Unit { 18-inch Radial Bowl Reflector.....	4	2.75
	Consists of { 18-inch Radial Bowl Reflector.....	4	2.75
With 18-inch Radial Bowl Reflector and 6 1/2-Inch Holophane Bowl Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps			
27501	Complete Unit.....	11	\$9.75
27536	Unit { Holder-Socket with Plain Cap for $\frac{3}{4}$ -in. Pipe.....	2	2.50
27143	Unit { 18-inch Radial Bowl Reflector.....	4	2.75
27166	Unit { 6 1/2-inch Holophane Bowl Refractor.....	3 1/2	3.00
27146	Unit { Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Skirted Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps			
27502	Complete Unit.....	11	\$9.75
27536	Unit { Holder-Socket with Plain Cap for $\frac{3}{4}$ -in. Pipe.....	2	2.50
27143	Unit { 18-inch Radial Bowl Reflector.....	4	2.75
27167	Unit { 6 1/2-inch Holophane Skirted Refractor.....	3 1/2	3.00
27146	Unit { Hinged Refractor Holder.....	1 1/2	1.50
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps			
27503	Complete Unit.....	10	\$9.75
27536	Unit { Holder-Socket with Plain Cap for $\frac{3}{4}$ -in. Pipe.....	2	2.50
27143	Unit { 18-inch Radial Bowl Reflector.....	4	2.75
27168	Unit { 6 1/2-inch Holophane Band Refractor.....	2 1/2	3.00
27146	Unit { Hinged Refractor Holder.....	1 1/2	1.50
With 20-inch Flat Radial Reflector for 40, 60 and 75 Watt Multiple Mazda Lamps			
27504	Complete Unit.....	7	\$4.75
27536	Unit { Holder-Socket with Plain Cap for $\frac{3}{4}$ -inch Pipe.....	2	2.50
27162	Unit { 20-inch Flat Radial Reflector.....	5	2.25

Cutter Multiple Streethood Bodies

For 200, 300, 400 and 500 Watt Multiple Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



Distribution Curves of
A—18-inch Radial Bowl Reflector with 8½-inch Holophane Bowl
Refractor and 200 Watt Multiple Mazda "C" Lamp.
B—18-inch Radial Bowl Reflector with "Sol-lux" Diffuser
and 400 Watt Multiple Mazda "C" Lamp.
C—20-inch Radial Bowl Reflector with Extension and
500 Watt Multiple Mazda "C" Lamp.

A Cutter Multiple Streethood Body consists of the Cutter "easy-to-wire" Holder-Socket with plain cap and a porcelain enameled reflector. Caps are threaded for ¾-inch pipe.

The Holder-Socket is provided with lamp grips to prevent lamps from falling out as a result of vibration of the fixture in the wind.

Cutter Multiple Streethood Bodies are "easy-to-wire." The wires are pulled through the cap and connected to the terminals of the socket. The reflector is then attached rigidly by means of a single screw which grips the copper heel of the reflector and is locked in place by nuts. Only three operations are necessary to install a Cutter Multiple Streethood Body.

Reflectors are made of deep drawing steel and surfaced with three coats of highest grade porcelain enamel, reflective white underneath, green on top. The reflector is supported by a copper heel which protects the enamel from chipping.

PRICE LIST

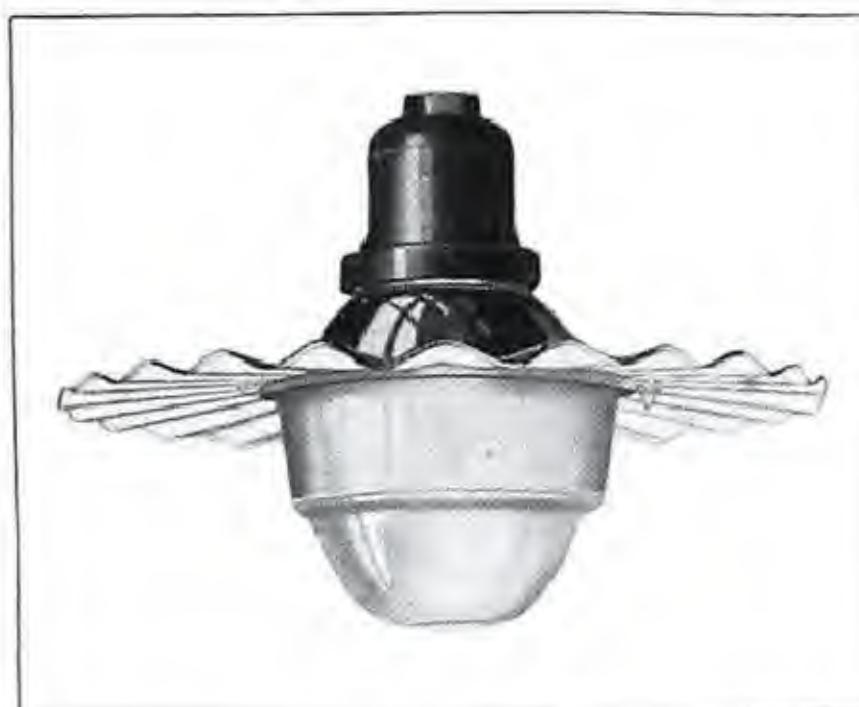
Schedule A—Standard Package Quantity 10

Prices below cover Streethood Bodies with Mogul Screw Base Holder-Sockets for 300, 400 and 500 watt Multiple Mazda "C" Lamps. When ordered for 200 watt Mazda "C" Lamps include Mogul Screw to Medium Screw Adapter No. 27540 and add \$0.75 to the list price. Prices do not include lamps or wiring.

Trade No.	Description	Ship. Wt. lbs. each	Price each
With 18-inch Radial Bowl Reflector and 8½-inch Holophane Bowl Refractor			
27505	Complete Unit.....	19	\$13.25
27537	Mogul Screw Holder-Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
27143	Unit.....	4	2.75
27169	Consists of 18-inch Radial Bowl Reflector.....	9½	6.00
27145	8½-inch Holophane Bowl Refractor.....	1½	1.50
With 18-inch Radial Bowl Reflector and 8½-inch Holophane Skirted Refractor			
27506	Complete Unit.....	18	\$13.25
27537	Mogul Screw Holder-Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
27143	Unit.....	4	2.75
27170	Consists of 18-inch Radial Bowl Reflector.....	8½	6.00
27145	8½-inch Holophane Skirted Refractor.....	1½	1.50
With 18-inch Radial Bowl Reflector and 8½-inch Holophane Band Refractor			
27507	Complete Unit.....	15	\$13.25
27537	Mogul Screw Holder-Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
27143	Unit.....	4	2.75
27171	Consists of 18-inch Radial Bowl Reflector.....	5½	6.00
27145	8½-inch Holophane Band Refractor.....	1½	1.50
With 18-inch Radial Bowl Reflector and 8½-inch "Sol-lux" Diffuser			
27508	Complete Unit.....	14	\$10.25
27537	Mogul Screw Holder-Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
27143	Unit.....	4	2.75
27172	Consists of 18-inch Radial Bowl Reflector.....	4½	3.00
27145	8½-inch "Sol-lux" Diffuser.....	1½	1.50
With 20-inch Radial Bowl Reflector with Extension for Bare Lamps			
27509	Complete Unit.....	10	\$6.50
27537	Mogul Screw Holder-Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
27144	Unit.....	6	3.50
27144	Consists of 20-inch Radial Bowl Reflector with Extension.....		



18-inch Radial Bowl Streethood Body with 8½-inch Holophane Band Refractor. Trade No. 27507



18-inch Radial Bowl Streethood Body with 8½-inch Holophane Skirted Refractor. Trade No. 27506



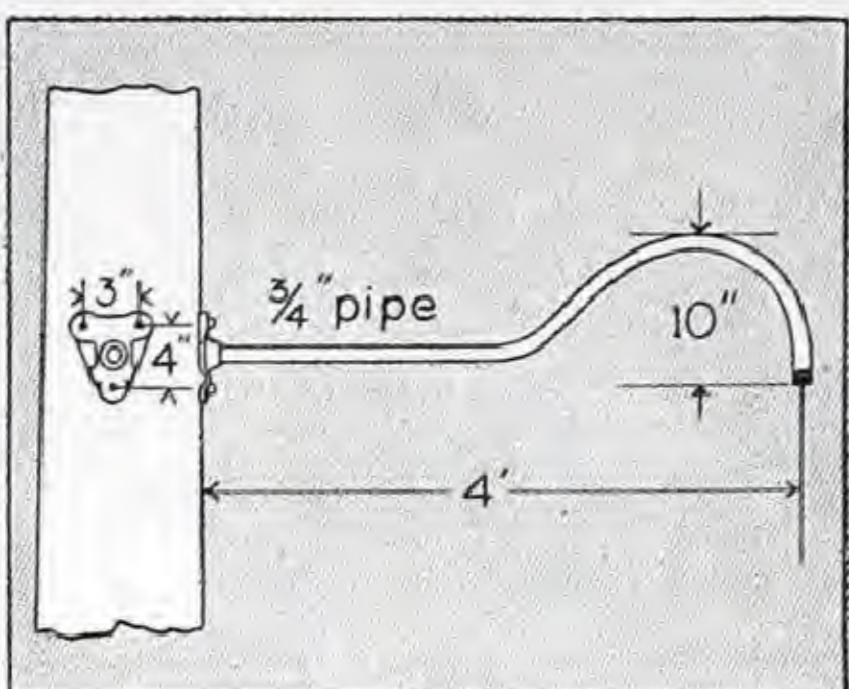
18-inch Radial Bowl Streethood Body with 8½-inch "Sol-lux" Diffuser. Trade No. 27508



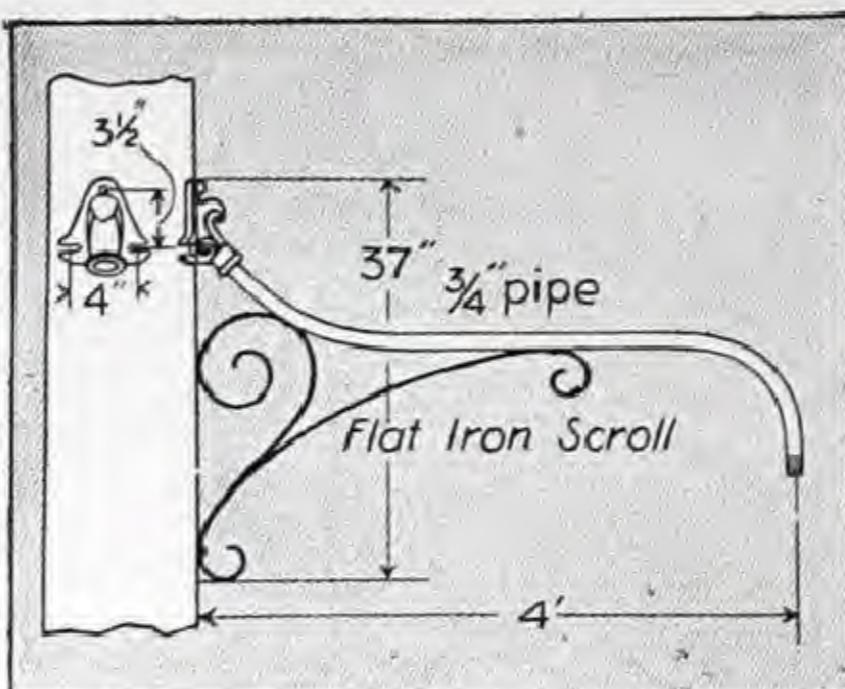
20-inch Radial Bowl Streethood Body with Extension and Standard Iron Cross Arm. Trade No. 27509

Cutter Streethood Brackets

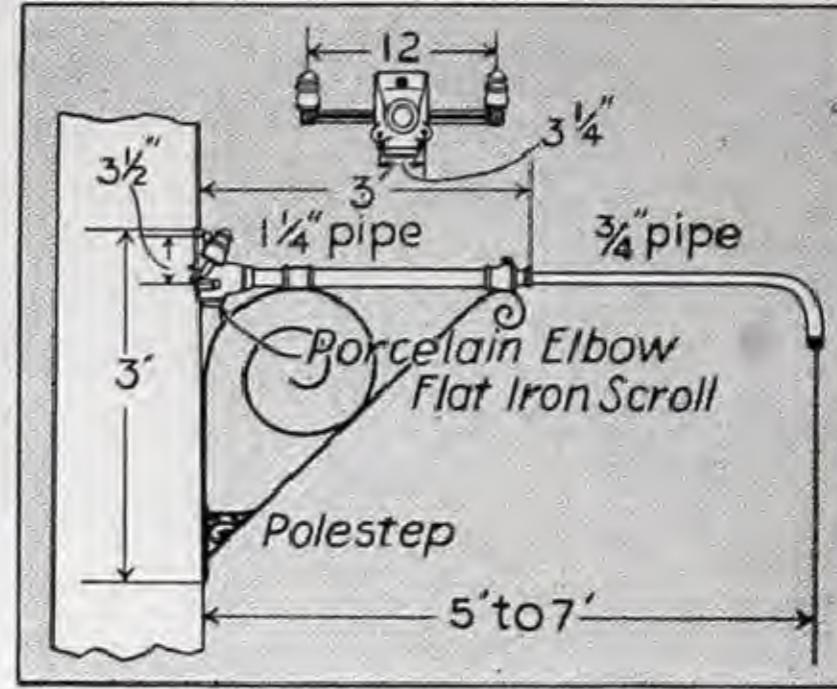
Schedule A—Standard Package Quantity 10



Style A Bracket
(Approximate Dimensions.)



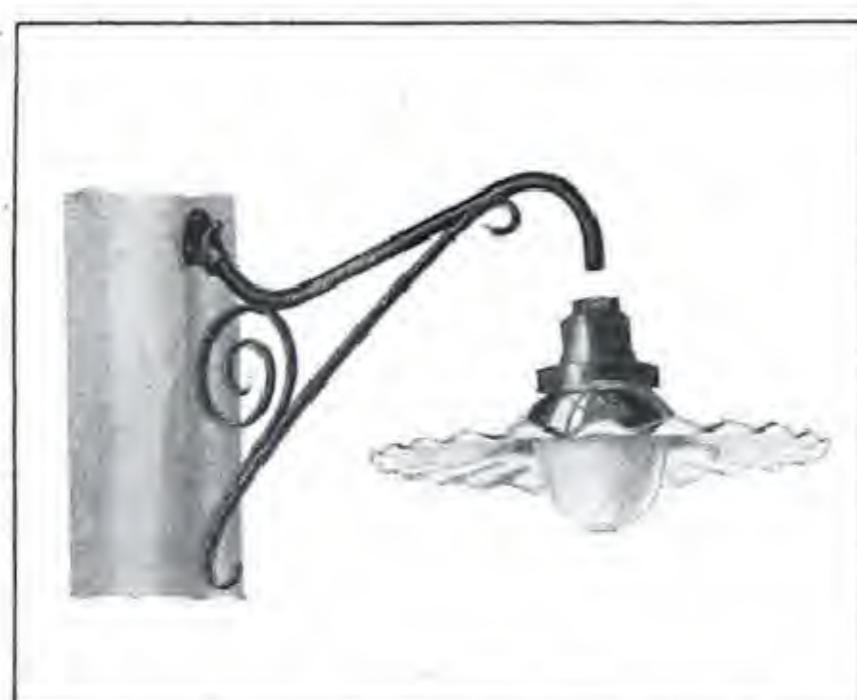
Majestic Medium Bracket
(Approximate Dimensions.)



Boulevard Telescope Bracket
(Approximate Dimensions.)



Style A Bracket. Trade No. 27173



Majestic Medium Bracket.
Trade No. 27175



Boulevard Telescope Bracket.
Trade No. 27176

A Complete Cutter Bracket Type Streethood consists of one of the Brackets shown and one of the Streethood Bodies listed on the preceding pages. Brackets listed on this page are for supporting Streethood Bodies with $\frac{3}{4}$ -inch canopy. Standard Iron Cross Arm (Trade No. 27539) will be furnished for spreading the wires above the Streethood Body for \$1.00 list additional, when so ordered.

Style A Bracket

Consists of 4-foot gooseneck of $\frac{3}{4}$ -inch pipe with heavy 3-hole grooved pole plate. Furnished with or without brace arm for guiding line wires from back of pole to Streethood Body.

Majestic Medium Bracket

A medium-weight bracket of the same style as the Majestic Bracket shown on the page opposite. Consists of ornamental grooved pole plate, 4-foot gooseneck (double bend) of $\frac{3}{4}$ -inch pipe and wrought iron scroll. Shipped assembled complete as shown.

Boulevard Telescope Bracket

The $\frac{3}{4}$ -inch pipe telescopes into the $1\frac{1}{4}$ -inch pipe and allows for adjustments of 5 to 7 feet in reach from pole. This bracket has a heavy 3-hole cast iron pole plate with porcelain elbow for inner wiring and a cross-arm with glass insulators. The knurled set screw in the pipe joint and the pole step in the lower corner of the scroll are for the convenience of linemen when renewing lamps.

PRICE LIST

Schedule A—Standard Package Quantity 10

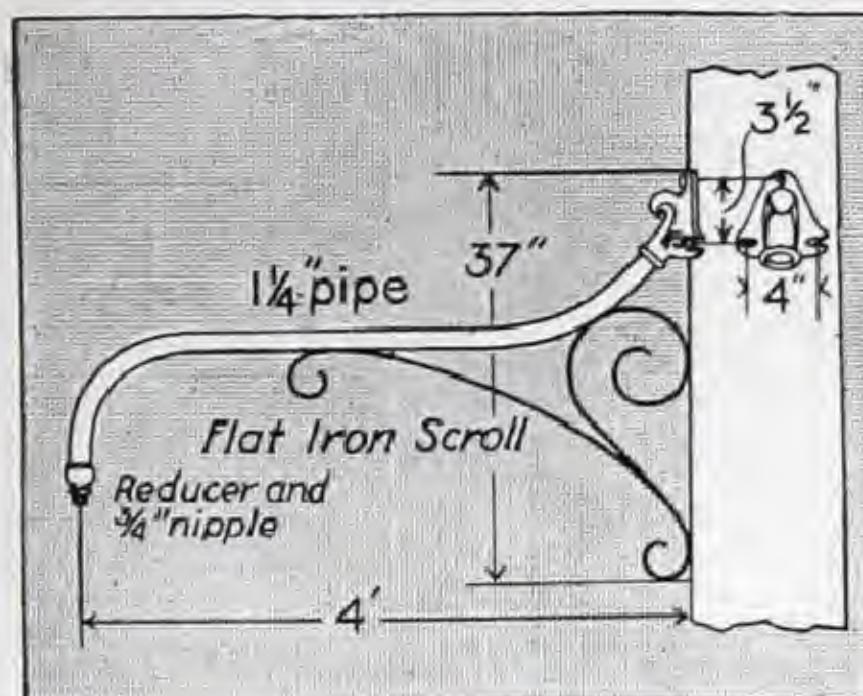
Prices below cover brackets only. Streethood Bodies to make complete Bracket Type Streethoods should be selected from the two preceding pages and ordered separately.

Trade No.	Description	Ship. Wt. lbs. each	Price each
Style A Bracket			
27173	Complete Bracket.....	7	\$1.75
27179	Bracket { $\frac{3}{4}$ -inch x 4-foot Gooseneck	$4\frac{3}{4}$	1.35
27180	Consists of { Grooved Pole Plate.....	$2\frac{1}{4}$.40
Style A Bracket with Brace Arm			
27174	Complete Bracket.....	10	\$2.45
27179	Bracket { $\frac{3}{4}$ -inch x 4-foot Gooseneck	$4\frac{3}{4}$	1.35
27180	Consists of { Grooved Pole Plate.....	$2\frac{1}{4}$.40
27181	Brace Arm.....	3	.70
Majestic Medium Bracket			
27175	Complete Bracket, Assembled.....	18	\$3.25
Boulevard Telescope Bracket			
27176	Complete Bracket.....	36	\$7.75
27147	Pole Plate with Cross Arm.....	9	1.75
27148	Bracket { Boulevard Bracket with Pole Step and Scroll.....	19	4.20
27149	Assembled.....	6	1.50
27150	{ $\frac{3}{4}$ -inch x 5-foot Pipe Bend.....	1	.15
	2 Pony Glass Insulators.....		

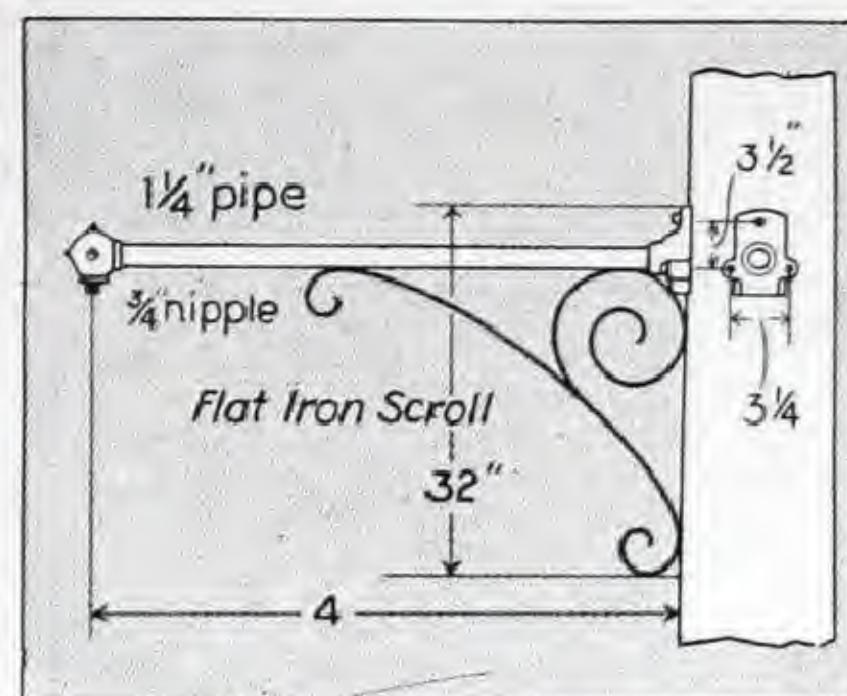
Galvanizing: When ordered in Standard Package Quantities or over, any of the brackets listed above will be furnished electro-galvanized and painted black, for 20% list additional. In less than Standard Package Quantities add 40%.

Cutter Streethood Brackets

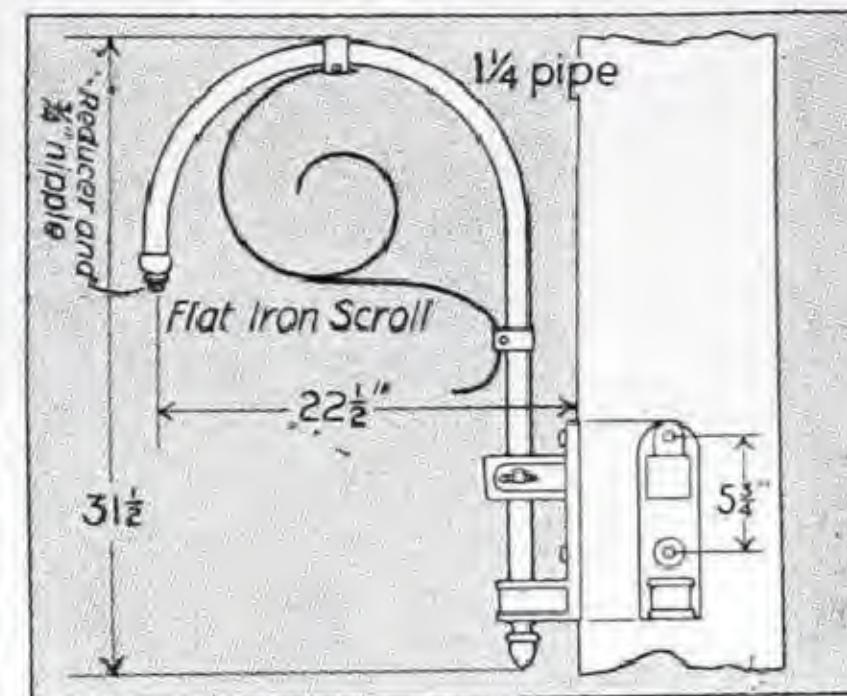
Schedule A—Standard Package Quantity 10



Majestic Senior Bracket.
(Dimensions approximate.)



Spartan Straight Arm Bracket.
(Dimensions approximate.)



Pole Crook.
(Dimensions approximate.)

A Complete Cutter Bracket Type Streethood consists of one of the brackets shown and one of the Streethood Bodies listed on pages 21 and 22. Brackets listed on this page are furnished with 3/4-inch nipple for attaching to 3/4-inch Holder-Socket. Standard Iron Cross Arm (Trade No. 27539) will be furnished for spreading the wires above the Streethood Body for \$1.00 list additional, when so ordered.

Majestic Senior Bracket

Consists of double-bend gooseneck of 1 1/4-inch pipe with 3-hole grooved pole plate and wrought iron scroll assembled, 1 1/4 x 3/4-inch reducer and 3/4-inch nipple. Holds lamp 4 feet from pole.

Spartan Straight Arm Bracket

Consists of straight piece of 1 1/4-inch pipe with 3-hole pole plate head piece with 3/4-inch nipple and wrought iron scroll assembled. Holds lamp 4 feet from pole.

Arcadian Junior Bracket

Similar to Spartan Straight Arm Bracket described above. Holds lamp 20 inches from pole. Furnished with 3/4-inch nipple.

Crook Bracket

Made of 1 1/4-inch Pipe with wrought iron scroll assembled, 1 1/4 x 3/4-inch reducer and 3/4-inch nipple. Clamps for attaching to pole are adjustable to compensate for the rake on trolley poles.

PRICE LIST

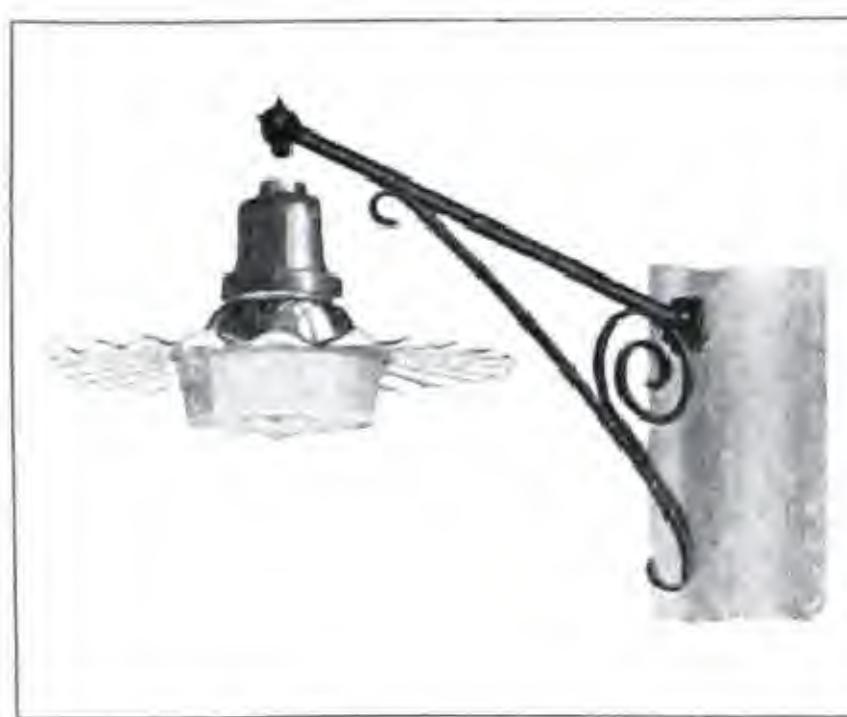
Schedule A—Standard Package Quantity 10

Prices below cover brackets only. Streethood Bodies to make complete Bracket Type Streethoods should be selected from pages 24 and 25 and ordered separately.

Trade No.	Description	Ship. Wt. lbs. each	Price each
Majestic Senior Bracket			
27510	Complete Bracket.....	26 1/2	\$5.54
27177	Bracket { Majestic Senior Bracket with Scroll Assembled.....	26	5.00
27546	1 1/4 x 3/4-inch Reducer.....	3/8	.30
27548	3/4-inch Nipple.....	1/8	.15
Spartan Straight Arm Bracket			
27511	Complete Bracket.....	24	\$5.10
27152	Bracket { Spartan Straight Arm Bracket Assembled.....	23 3/4	4.80
27549	1 1/4 x 3/4-inch Bushing.....	1/8	.15
27548	3/4-inch Nipple.....	1/8	.15
Arcadian Junior Bracket			
27512	Complete Bracket.....	14	\$4.10
27153	Bracket { Arcadian Junior Bracket Assembled.....	13 3/4	3.80
27549	1 1/4 x 3/4-inch Bushing.....	1/8	.15
27548	3/4-inch Nipple.....	1/8	.15
Pole Crook for Wooden Poles			
27513	Complete Bracket.....	28 1/2	\$6.45
27154	Bracket { Crook with Scroll Assembled.....	20	4.50
27546	1 1/4 x 3/4-inch Reducer.....	3/8	.30
27548	3/4-inch Nipple.....	1/8	.15
27156	Pole Plate.....	8	1.50
Pole Crook for 4-inch Iron Poles			
27514	Complete Bracket.....	36 1/2	\$7.95
27155	Bracket { Crook with Scroll Assembled.....	20	4.50
27546	1 1/4 x 3/4-inch Reducer.....	3/8	.30
27548	3/4-inch Nipple.....	1/8	.15
27158	2 Clamps for 4-inch Pipe.....	8	1.50
Pole Crook for 5-inch Iron Poles			
27515	Complete Bracket.....	38 1/2	\$8.15
27155	Bracket { Crook with Scroll Assembled.....	20	4.50
27546	1 1/4 x 3/4-inch Reducer.....	3/8	.30
27548	3/4-inch Nipple.....	1/8	.15
27160	2 Clamps for 5-inch Pipe.....	9	1.60



Majestic Bracket.
Trade No. 27510



Spartan Straight Arm Bracket.
Trade No. 27511



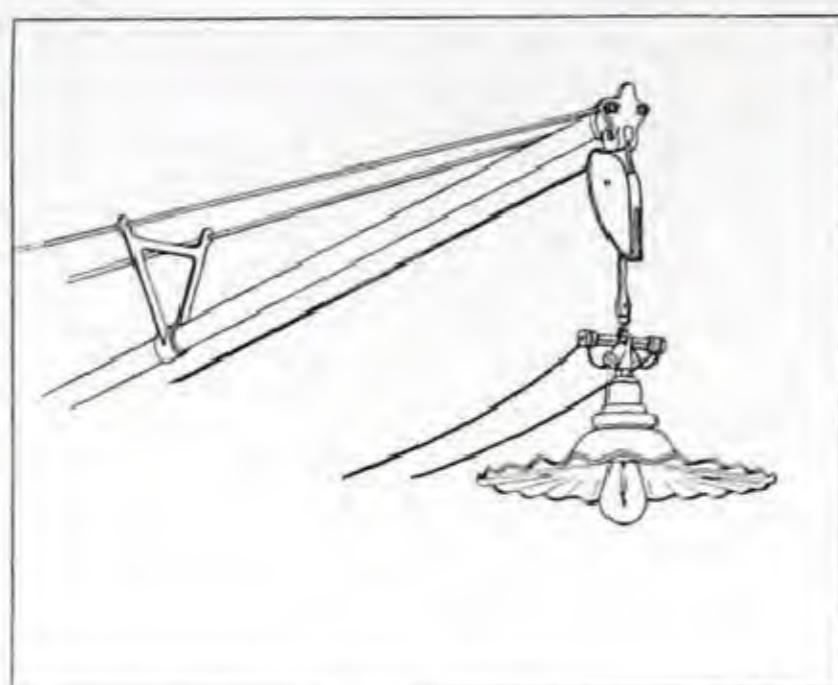
Pole Crook.
Trade No. 27513

Galvanizing: When ordered in Standard Package Quantities or over, any of the brackets listed above will be furnished electro-galvanized and painted black, for 20% list additional. In less than Standard Package Quantities add 40%.

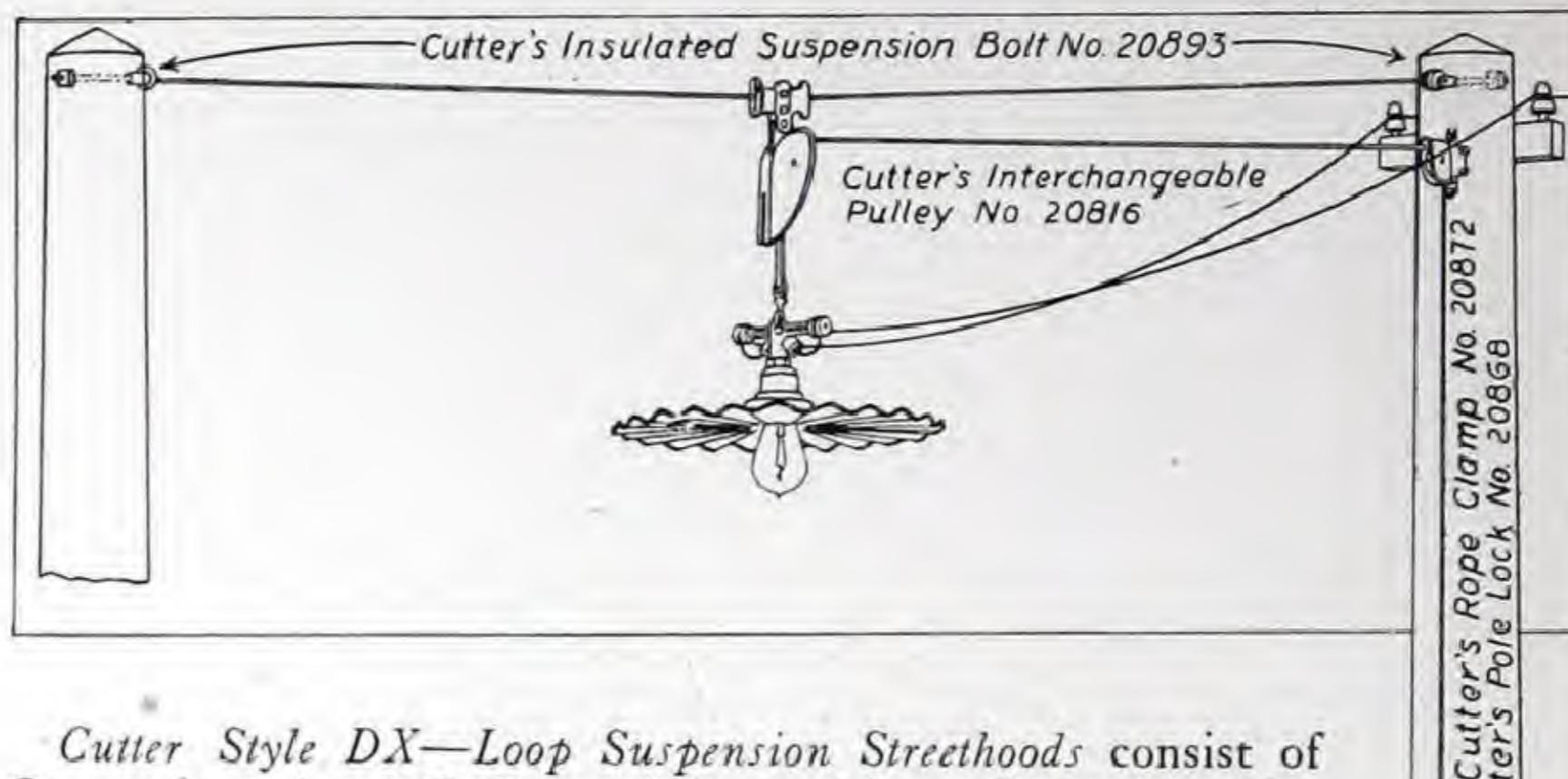
Cutter Multiple Suspension Streethoods

For 40, 60, 75, 100, 150 and 200 Watt Multiple Mazda "B" and "C" Lamps

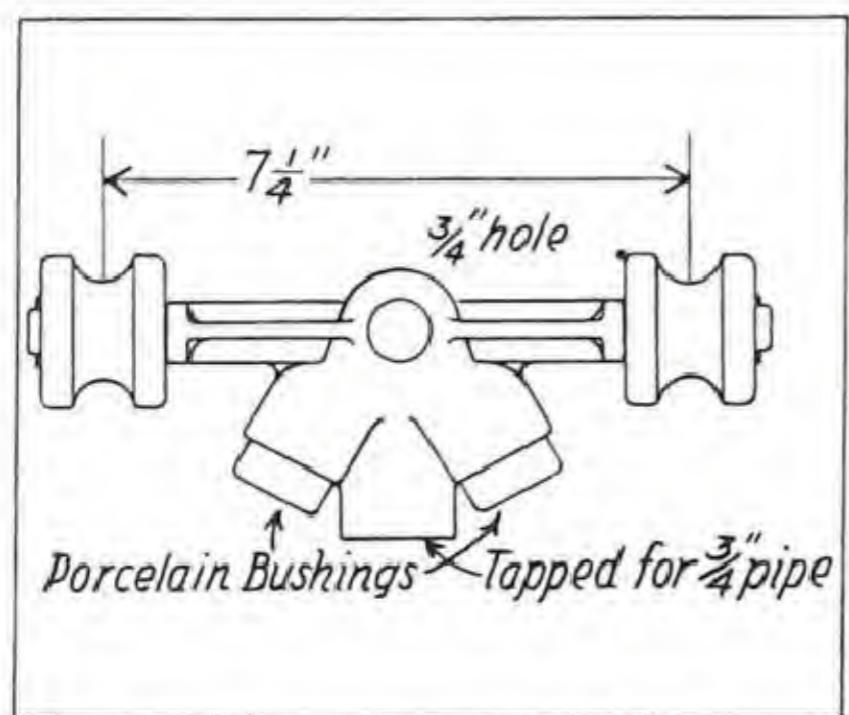
Schedule A—Standard Package Quantity 10



Cutter Junior Mast Arm with Style DX Streethood and 18-inch Radial Bowl Reflector.



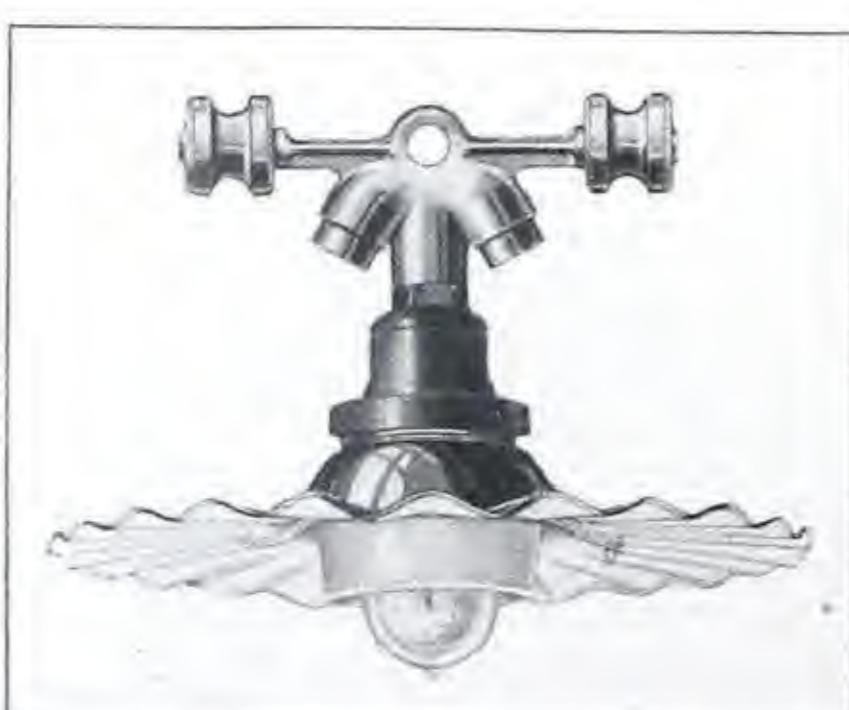
Cutter Style DX—Loop Suspension Streethoods consist of Cutter Streethood Bodies with Looped Iron Cross Arm No. 27538, for attachment to $\frac{3}{4}$ -inch Holder-Socket. Designed for use with Mast Arms, Pulleys, etc. When so used, the Streethood may be lowered to ground easily for renewing lamps and cleaning glassware. (See listing of Mast Arms, Pulleys, Insulators and Pole Line Material.)



Style DX Looped Iron Cross Arm.



Style DX Streethood with 18-inch Radial Bowl Reflector and 6 $\frac{1}{2}$ -inch Holophane Bowl Refractor.
Trade No. 27517



Style DX Streethood with 18-inch Radial Bowl Reflector and 6 $\frac{1}{2}$ -inch Holophane Band Refractor.
Trade No. 27519

PRICE LIST

Schedule A—Standard Package Quantity 10

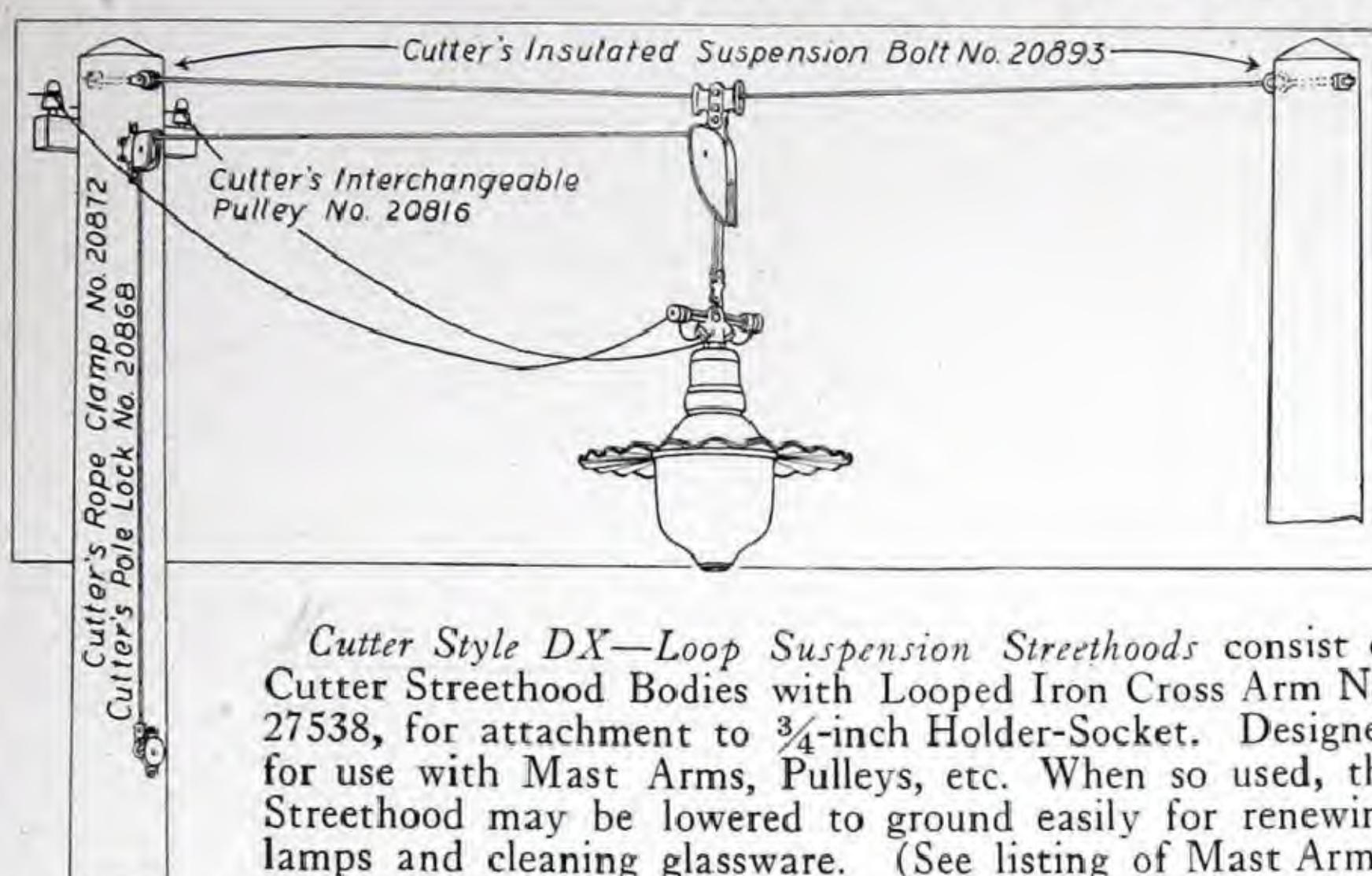
Prices below cover Streethood Bodies with Medium Screw Base Holder-Sockets for 40, 60, 75, 100, 150 and 200 Watt Multiple Mazda "B" and "C" Lamps, but do not include lamps or wiring.

Trade No.	Description	Ship. Wt. lbs. each	Price each
With 18-inch Radial Bowl Reflector for 100, 150 and 200 Watt Multiple Mazda "C" Lamp			
27516	Complete Streethood.....	9	\$6.75
27538	Streethood Looped Iron Cross Arm.....	3	1.50
27536	Consists of Holder-Socket with Plain Cap for $\frac{3}{4}$ -in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
With 18-inch Radial Bowl Reflector and 6 $\frac{1}{2}$- inch Holophane Bowl Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps			
27517	Complete Streethood.....	14	\$11.25
27538	Streethood Looped Iron Cross Arm.....	3	1.50
27536	Consists of Holder-Socket with Plain Cap for $\frac{3}{4}$ -in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
27166	6 $\frac{1}{2}$ -inch Holophane Bowl Refractor.....	3 $\frac{1}{2}$	3.00
27146	Hinged Refractor Holder.....	1 $\frac{1}{2}$	1.50
With 18-inch Radial Bowl Reflector and 6 $\frac{1}{2}$-inch Holophane Skirted Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps			
27518	Complete Streethood.....	14	\$11.25
27538	Streethood Looped Iron Cross Arm.....	3	1.50
27536	Consists of Holder-Socket with Plain Cap for $\frac{3}{4}$ -in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
27167	6 $\frac{1}{2}$ -inch Holophane Skirted Refractor.....	3 $\frac{1}{2}$	3.00
27146	Hinged Refractor Holder.....	1 $\frac{1}{2}$	1.50
With 18-inch Radial Bowl Reflector and 6 $\frac{1}{2}$-inch Holophane Band Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps			
27519	Complete Streethood.....	13	\$11.25
27538	Streethood Looped Iron Cross Arm.....	3	1.50
27536	Consists of Holder-Socket with Plain Cap for $\frac{3}{4}$ -in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
27168	6 $\frac{1}{2}$ -inch Holophane Band Refractor.....	2 $\frac{1}{2}$	3.00
27146	Hinged Refractor Holder.....	1 $\frac{1}{2}$	1.50
With 20-inch Flat Radial Reflector for 40, 60 and 75 Watt Multiple Mazda Lamps			
27520	Complete Streethood.....	10	\$6.25
27538	Streethood Looped Iron Cross Arm.....	3	1.50
27536	Consists of Holder-Socket with Plain Cap for $\frac{3}{4}$ -in. Pipe.....	2	2.50
27162	20-inch Flat Radial Reflector.....	5	2.25

Cutter Multiple Suspension Streethoods

For 200, 300, 400 and 500 Watt Multiple Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



Cutter Style DX—Loop Suspension Streethoods consist of Cutter Streethood Bodies with Looped Iron Cross Arm No. 27538, for attachment to $\frac{3}{4}$ -inch Holder-Socket. Designed for use with Mast Arms, Pulleys, etc. When so used, the Streethood may be lowered to ground easily for renewing lamps and cleaning glassware. (See listing of Mast Arms, Pulleys, Insulators and Pole Line Material.)

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethood Bodies with Mogul Screw Base Holder-Sockets for 300, 400 and 500 Watt Multiple Mazda "C" Lamps. When ordered for 200 Watt Mazda "C" Lamps include Mogul Screw to Medium Screw Adapter No. 27540 and add \$0.75 to the list price.

Prices do not include lamps or wiring.

With 18-inch Radial Bowl Reflector and 8½-inch Holophane Bowl Refractor

Trade No.	Description	Ship. Wt. lbs. each	Price each
27521	Complete Streethood.....	22	\$14.75
27538	Looped Iron Cross Arm.....	3	1.50
27537	Mogul Screw Holder-Socket with Plain Cap for $\frac{3}{4}$ -inch Pipe.....	4	3.00
27143	18-inch Radial Bowl Reflector.....	4	2.75
27169	8½-inch Holophane Bowl Refractor.....	9½	6.00
27145	Hinged Refractor Holder.....	1½	1.50

With 18-inch Radial Bowl Reflector and 8½-inch Holophane Skirted Refractor

Trade No.	Description	Ship. Wt. lbs. each	Price each
27522	Complete Streethood.....	21	\$14.75
27538	Looped Iron Cross Arm.....	3	1.50
27537	Mogul Screw Holder-Socket with Plain Cap for $\frac{3}{4}$ -inch Pipe.....	4	3.00
27143	18-inch Radial Bowl Reflector.....	4	2.75
27170	8½-inch Holophane Skirted Refractor.....	8½	6.00
27145	Hinged Refractor Holder.....	1½	1.50

With 18-inch Radial Bowl Reflector and 8½-inch Holophane Band Refractor

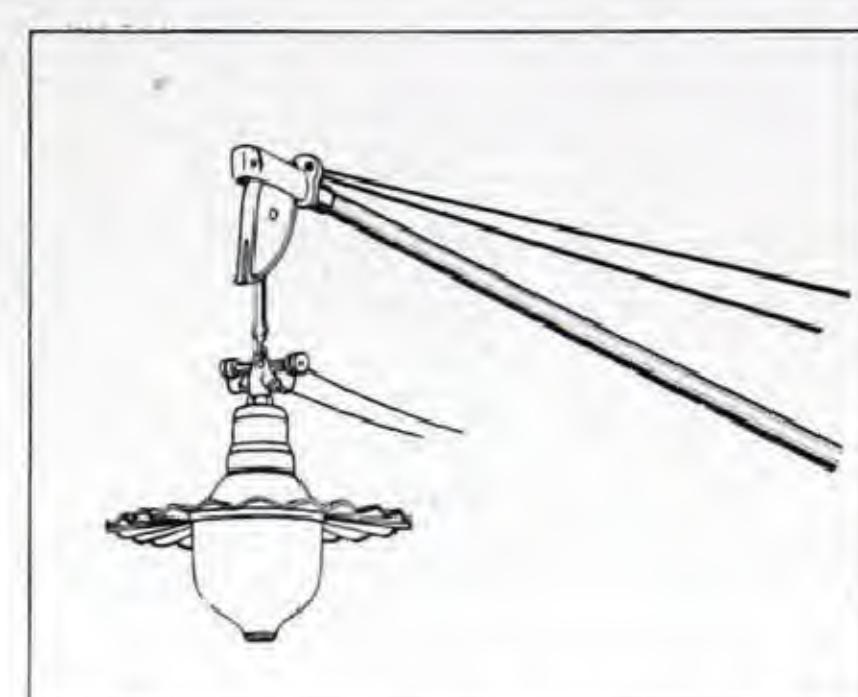
Trade No.	Description	Ship. Wt. lbs. each	Price each
27523	Complete Streethood.....	18	\$14.75
27538	Looped Iron Cross Arm.....	3	1.50
27537	Mogul Screw Holder-Socket with Plain Cap for $\frac{3}{4}$ -inch Pipe.....	4	3.00
27143	18-inch Radial Bowl Reflector.....	4	2.75
27171	8½-inch Holophane Band Refractor.....	5½	6.00
27145	Hinged Refractor Holder.....	1½	1.50

With 18-inch Radial Bowl Reflector and 8½-inch "Sol-lux" Diffuser

Trade No.	Description	Ship. Wt. lbs. each	Price each
27524	Complete Streethood.....	17	\$11.75
27538	Looped Iron Cross Arm.....	3	1.50
27537	Mogul Screw Holder-Socket with Plain Cap for $\frac{3}{4}$ -inch Pipe.....	4	3.00
27143	18-inch Radial Bowl Reflector.....	4	2.75
27172	8½-inch "Sol-lux" Diffuser.....	4½	3.00
27145	Hinged Refractor Holder.....	1½	1.50

With 20-inch Radial Bowl Reflector with Extension for Bare Lamps

Trade No.	Description	Ship. Wt. lbs. each	Price each
27525	Complete Streethood.....	13	\$8.00
27538	Looped Iron Cross Arm.....	3	1.50
27537	Mogul Screw Holder-Socket with Plain Cap for $\frac{3}{4}$ -inch Pipe.....	4	3.00
27144	20-inch Radial Bowl Reflector with Extension	6	3.50



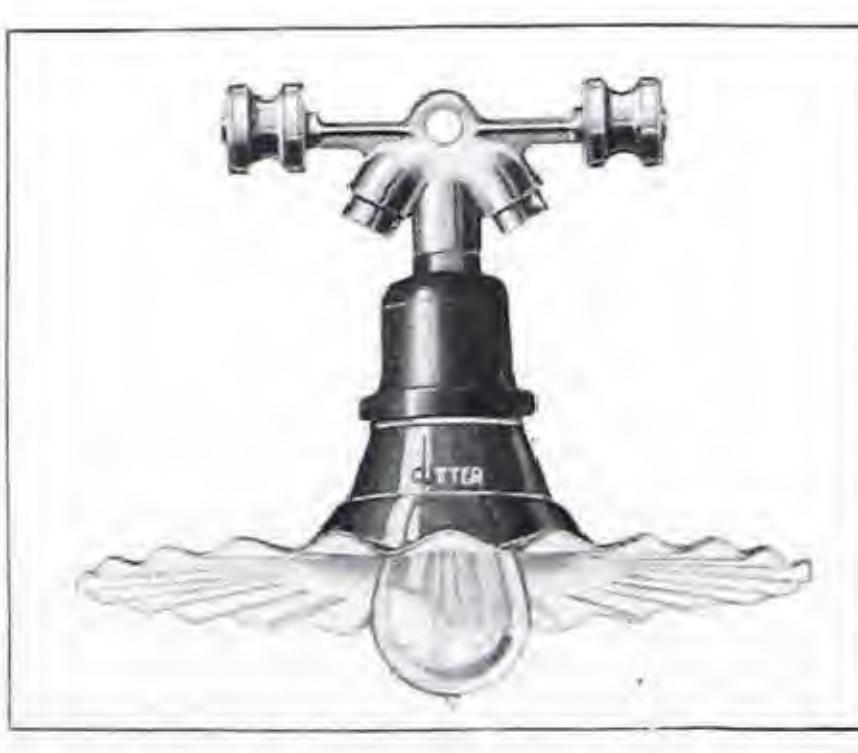
Cutter Inner-Rope Mast Arm with Style DX Streethood.



Style DX Streethood with 18-inch Radial Bowl Reflector and 8½-inch Holophane Skirted Refractor. Trade No. 27522.



Style DX Streethood with 18-inch Radial Bowl Reflector and 8½-inch "Sol-lux" Diffuser. Trade No. 27524.

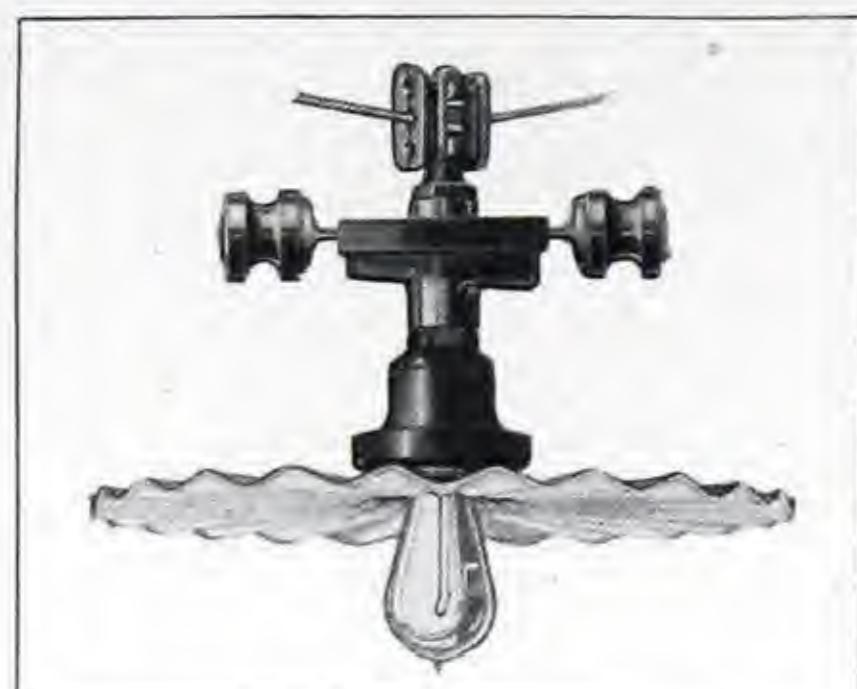


Style DX Streethood with 20-inch Radial Bowl Reflector and Extension. Trade No. 27525.

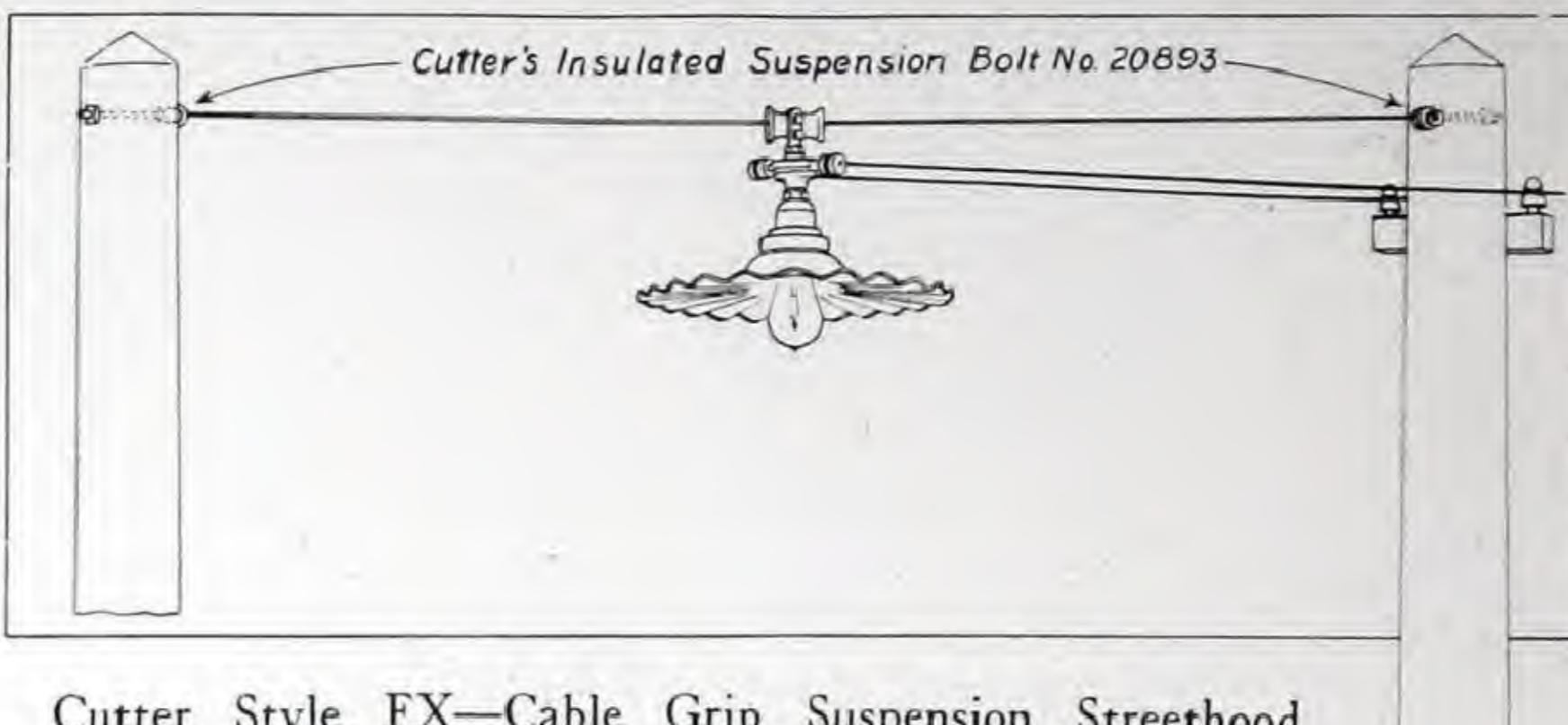
Cutter Multiple Suspension Streethoods

For 40, 60, 75, 100, 150 and 200 Watt Multiple Mazda "B" and "C" Lamps

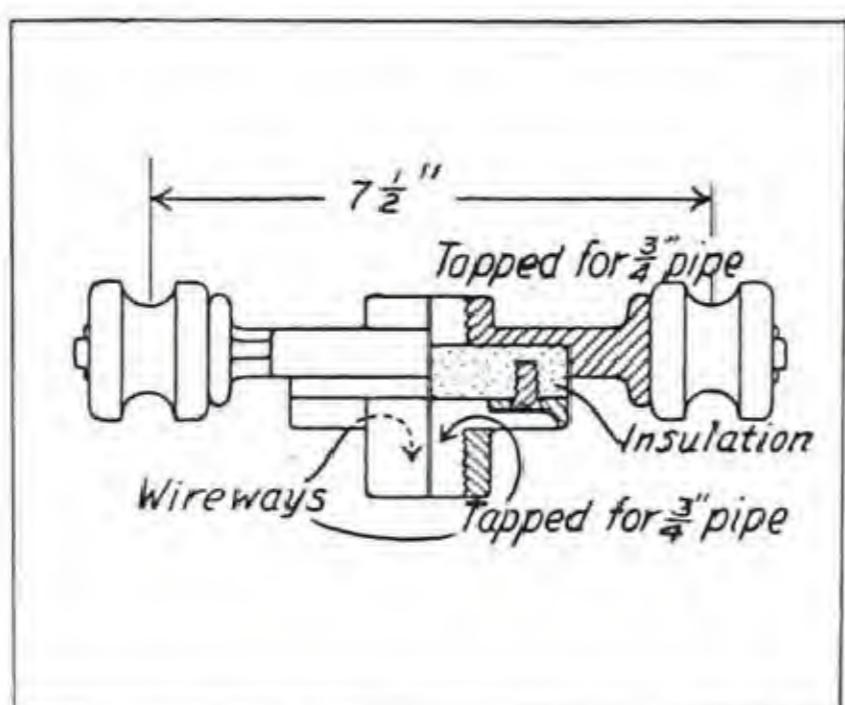
Schedule A—Standard Package Quantity 10



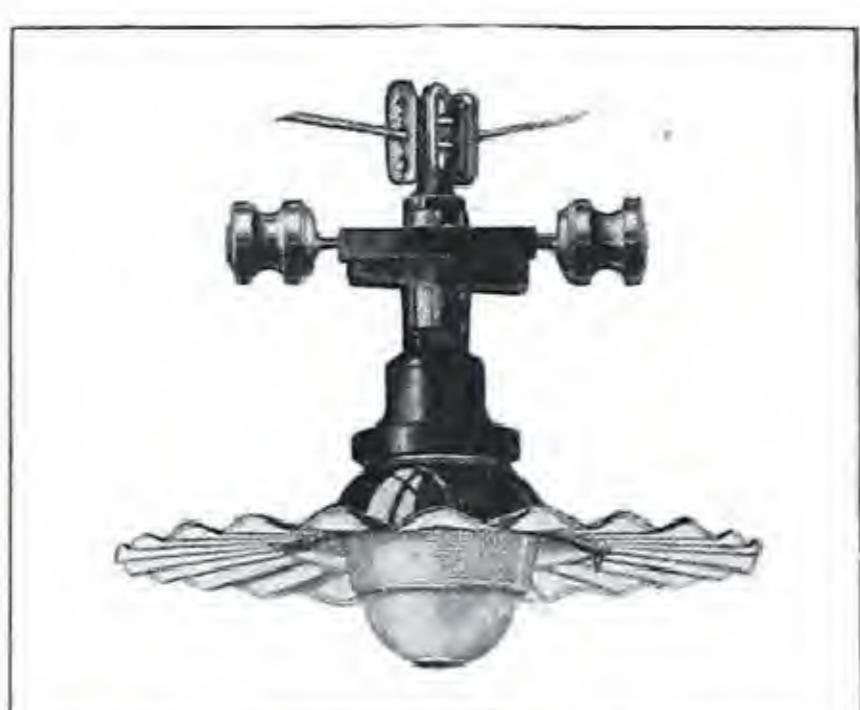
Style FX Streethood with 20-inch Flat Radial Reflector.
Trade No. 27530.



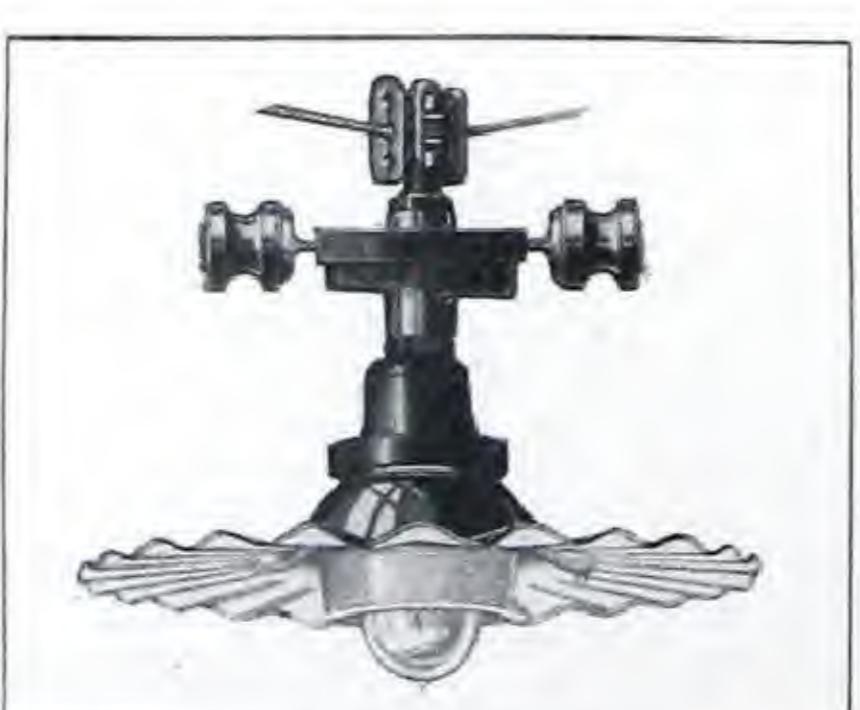
Cutter Style FX—Cable Grip Suspension Streethood consists of Cutter Streethood Bodies with Cable Clamp, and Standard Iron Cross Arm. The Streethood Body is fastened rigidly to the Cable Clamp, thus insuring that the fixture will always hang level regardless of the tension on the line wires. The Cable Clamp also compensates for unequal sag in the cable.



Standard Iron Cross Arm.



Style FX Streethood with 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Skirted Refractor.
Trade No. 27528.



Style FX Streethood with 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor.
Trade No. 27529.

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethoods with Medium Screw Base Holder-Sockets for 40, 60, 75, 100, 150 and 200 Watt Multiple Mazda "B" and "C" Lamps, but do not include lamps or wiring.

Trade No.	Description	Ship. Wt. lbs. each	Price each
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With 18-inch Radial Bowl Reflector for 100, 150 and 200 Watt Multiple Mazda "C" Lamps

27526	Complete Streethood.....	11 1/2	\$6.85
27164	Cable Clamp.....	2 1/2	.60
27539	Standard Iron Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap for 3/4-in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75

With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Bowl Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps

27527	Complete Streethood.....	16 1/2	\$11.35
27164	Cable Clamp.....	2 1/2	.60
27539	Standard Iron Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap for 3/4-in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
27166	6 1/2-inch Holophane Bowl Refractor.....	3 1/2	3.00
27146	Hinged Refractor Holder.....	1 1/2	1.50

With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Skirted Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps

27528	Complete Streethood.....	16 1/2	\$11.35
27164	Cable Clamp.....	2 1/2	.60
27539	Standard Iron Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap for 3/4-in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
27167	6 1/2-inch Holophane Skirted Refractor.....	3 1/2	3.00
27146	Hinged Refractor Holder.....	1 1/2	1.50

With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor for 100 and 150 watt Multiple Mazda "C" Lamps

27529	Complete Streethood.....	15 1/2	\$11.35
27164	Cable Clamp.....	2 1/2	.60
27539	Standard Iron Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap for 3/4-in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
27168	6 1/2-inch Holophane Band Refractor.....	2 1/2	3.00
27146	Hinged Refractor Holder.....	1 1/2	1.50

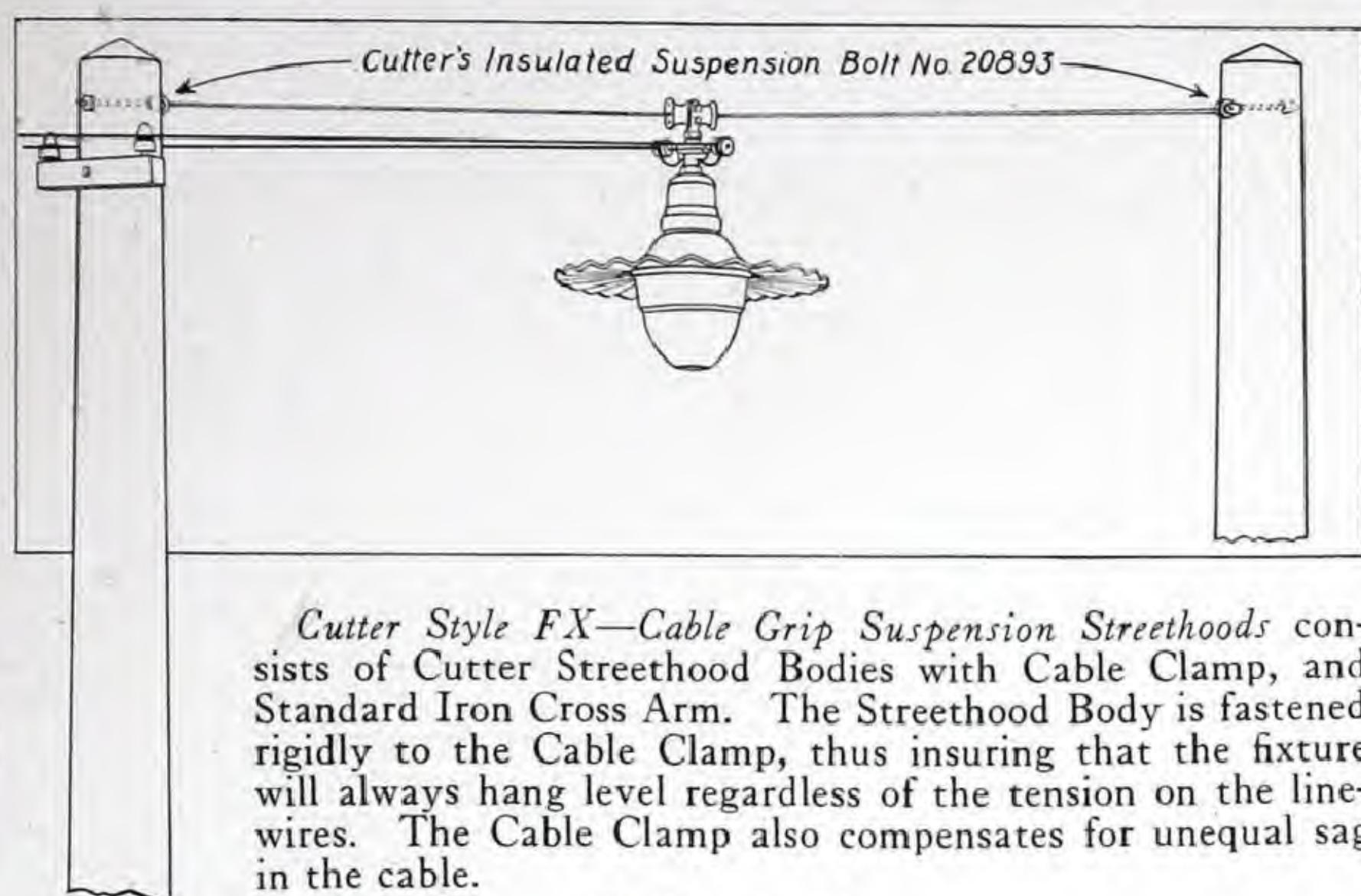
With 20-inch Flat Radial Reflector for 40, 60 and 75 Watt Multiple Mazda Lamps

27530	Complete Streethood.....	12 1/2	\$6.35
27164	Cable Clamp.....	2 1/2	.60
27539	Standard Iron Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap for 3/4-in. Pipe.....	2	2.50
27162	20-inch Flat Radial Reflector.....	5	2.25

Cutter Multiple Suspension Streethoods

For 200, 300, 400 and 500 Watt Multiple Mazda "C" Lamps

Schedule A—Standard Package Quantity 10



Cutter Style FX—Cable Grip Suspension Streethoods consists of Cutter Streethood Bodies with Cable Clamp, and Standard Iron Cross Arm. The Streethood Body is fastened rigidly to the Cable Clamp, thus insuring that the fixture will always hang level regardless of the tension on the line-wires. The Cable Clamp also compensates for unequal sag in the cable.

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethoods with Mogul Screw Base Holder-Sockets for 300, 400 and 500 watt Multiple Mazda "C" Lamps. When ordered for 200 watt Mazda "C" Lamps include Mogul Screw to Medium Screw Adapter No. 27540 and add \$0.75 to the list price. Prices do not include lamps or wiring.

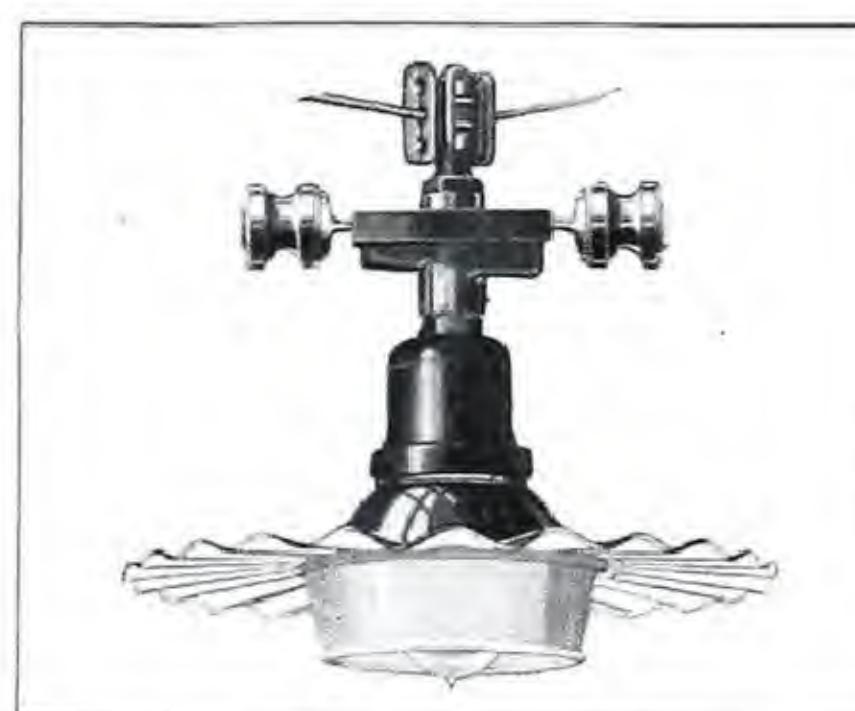
Trade No.	Description	Ship. Wt. lbs. each	Price each
With 18-inch Radial Bowl Reflector and 8½-inch Holophane Bowl Refractor			
27531	Complete Streethood.....	24 ½	\$14.85
27164	Cable Clamp.....	2 ½	.60
27539	Standard Iron Cross Arm.....	3	1.00
27537	Streethood Consists of {		
27143	Mogul Screw Holder-Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
27169	18-inch Radial Bowl Reflector.....	4	2.75
27145	8½-inch Holophane Bowl Refractor.....	9 ½	6.00
	Hinged Refractor Holder.....	1 ½	1.50
With 18-inch Radial Bowl Reflector and 8½-inch Holophane Skirted Refractor			
27532	Complete Streethood.....	23 ½	\$14.85
27164	Cable Clamp.....	2 ½	.60
27539	Standard Iron Cross Arm.....	3	1.00
27537	Streethood Consists of {		
27143	Mogul Screw Holder-Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
27170	18-inch Radial Bowl Reflector.....	4	2.75
27145	8½-inch Holophane Skirted Refractor.....	8 ½	6.00
	Hinged Refractor Holder.....	1 ½	1.50
With 18-inch Radial Bowl Reflector and 8½-inch Holophane Band Refractor			
27533	Complete Streethood.....	20 ½	\$14.85
27164	Cable Clamp.....	2 ½	.60
27539	Standard Iron Cross Arm.....	3	1.00
27537	Streethood Consists of {		
27143	Mogul Screw Holder-Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
27171	18-inch Radial Bowl Reflector.....	4	2.75
27145	8½-inch Holophane Band Refractor.....	5 ½	6.00
	Hinged Refractor Holder.....	1 ½	1.50
With 18-inch Radial Bowl Reflector and 8½-inch "Sol-lux" Diffuser			
27534	Complete Streethood.....	19 ½	\$11.85
27164	Cable Clamp.....	2 ½	.60
27539	Standard Iron Cross Arm.....	3	1.00
27537	Streethood Consists of {		
27143	Mogul Screw Holder-Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
27172	18-inch Radial Bowl Reflector.....	4	2.75
27145	8½-inch "Sol-lux" Diffuser.....	4 ½	3.00
	Hinged Refractor Holder.....	1 ½	1.50
With 20-inch Radial Bowl Reflector with Extension for Bare Lamps			
27535	Complete Streethood.....	15 ½	\$8.10
27164	Cable Clamp.....	2 ½	.60
27539	Standard Iron Cross Arm.....	3	1.00
27537	Streethood Consists of {		
27144	Mogul Screw Holder Socket with Plain Cap for ¾-inch Pipe.....	4	3.00
	20-inch Radial Bowl Reflector with Extension.....	6	3.50



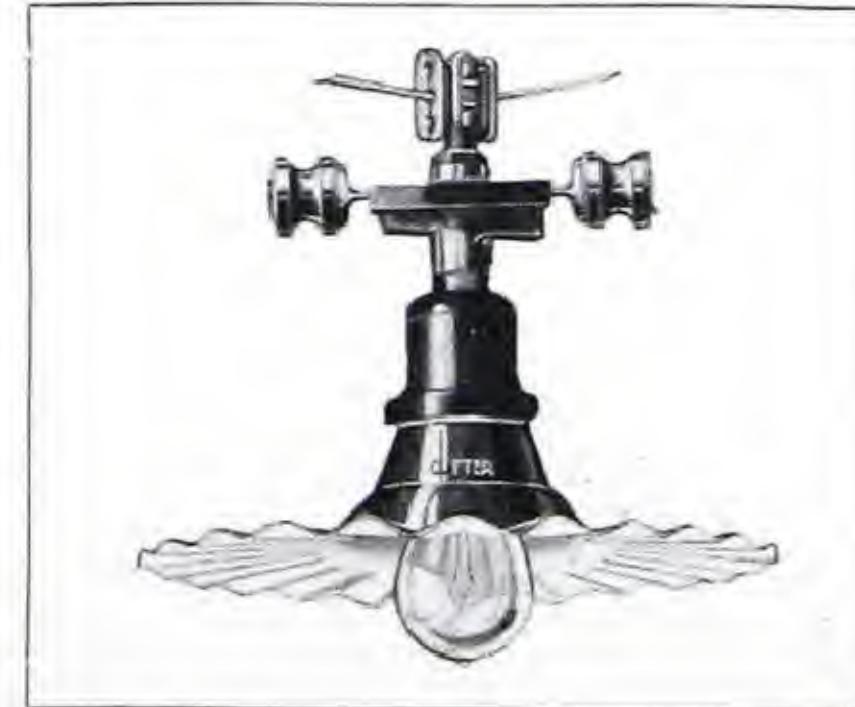
Style FX Streethood with 18-inch Radial Bowl Reflector and 8½-inch Holophane Bowl Refractor. Trade No. 27531



Style FX Streethood with 18-inch Radial Bowl Reflector and "Sol-lux" Diffuser. Trade No. 27534.



Style FX Streethood with 18-inch Radial Bowl Reflector and 8½-inch Holophane Band Refractor. Trade No. 27533



Style FX Streethood with 20-inch Radial Bowl Reflector and Extension. Trade No. 27535.

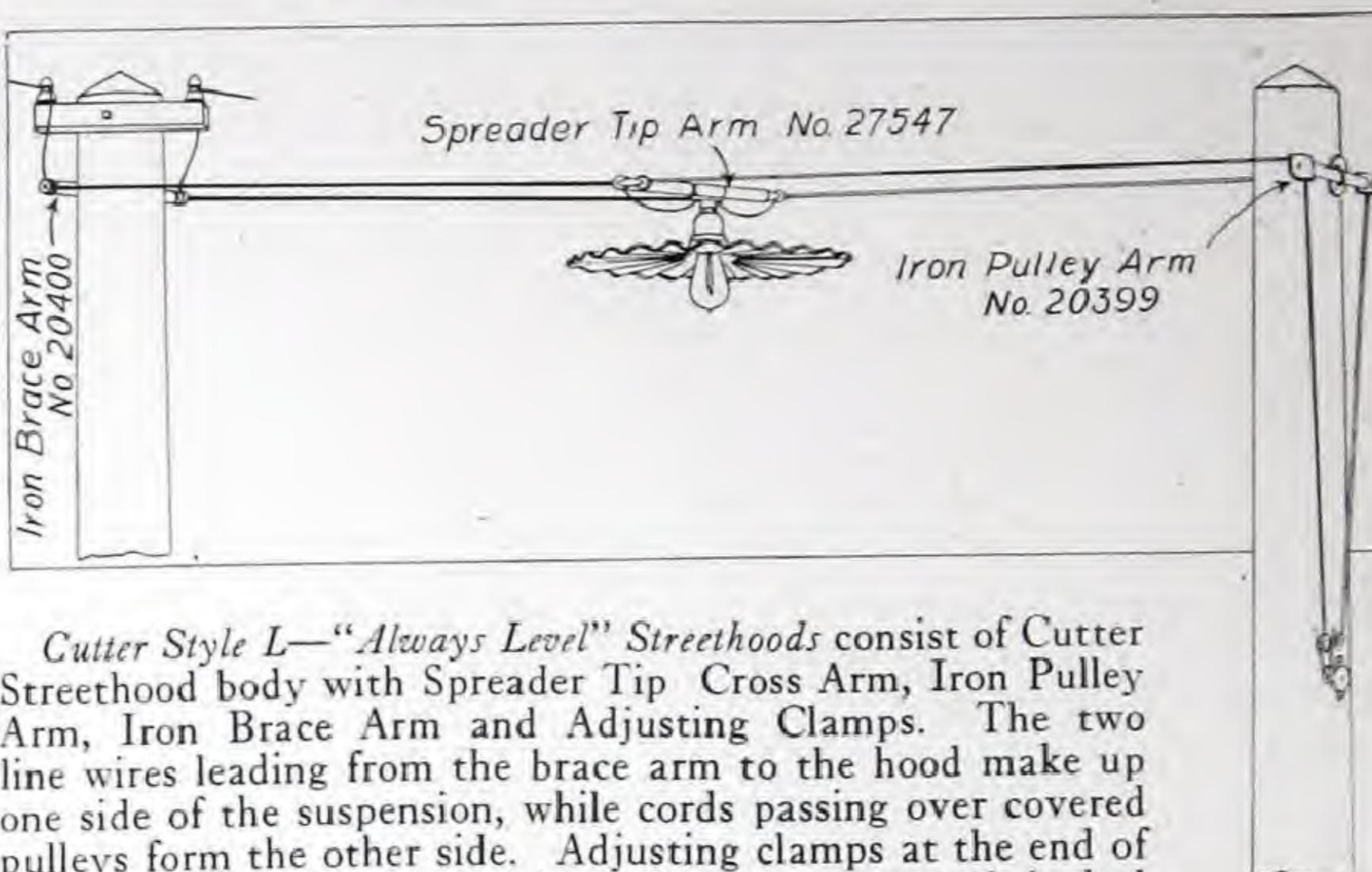
Cutter Multiple Suspension Streethoods

For 40, 60, 75, 100, 150 and 200 Watt Multiple Mazda "B" and "C" Lamps

Schedule A—Standard Package Quantity 10



Style L Streethood with 18-inch Radial Bowl Reflector. Trade No. 27542.

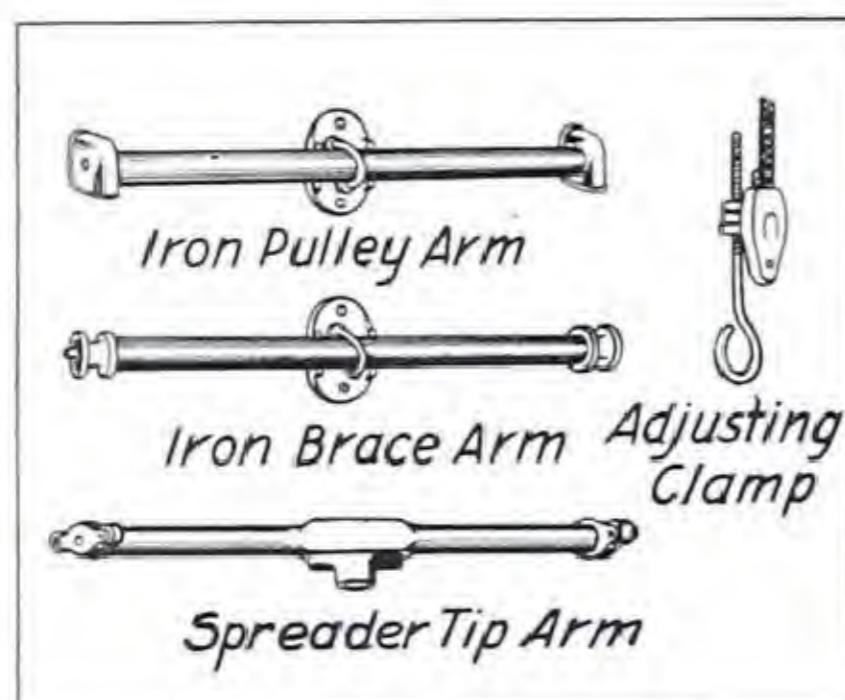


Cutter Style L—“Always Level” Streethoods consist of Cutter Streethood body with Spreader Tip Cross Arm, Iron Pulley Arm, Iron Brace Arm and Adjusting Clamps. The two line wires leading from the brace arm to the hood make up one side of the suspension, while cords passing over covered pulleys form the other side. Adjusting clamps at the end of each cord are independently drawn up taut and locked together.

PRICE LIST

Schedule A—Standard Package Quantity 10

Prices below cover Streethood Bodies with Medium Screw Base Holder-Sockets for 40, 60, 75, 100, 150 and 200 Watt Multiple Mazda "B" and "C" Lamps, but do not include ropes, lamps or wiring.



Parts to make up Style L Streethood.



Style L Streethood with 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Bowl Refractor. Trade No. 27543.

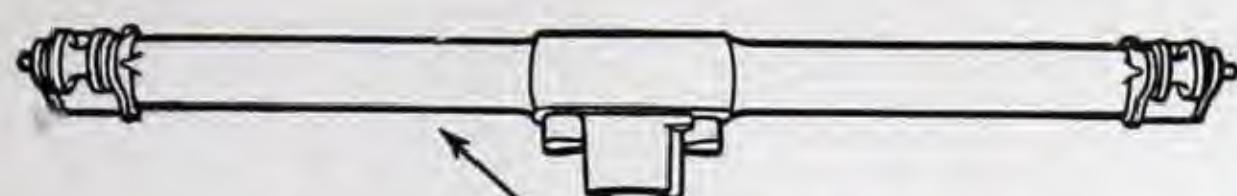


Style L Streethood with 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor. Trade No. 27545.

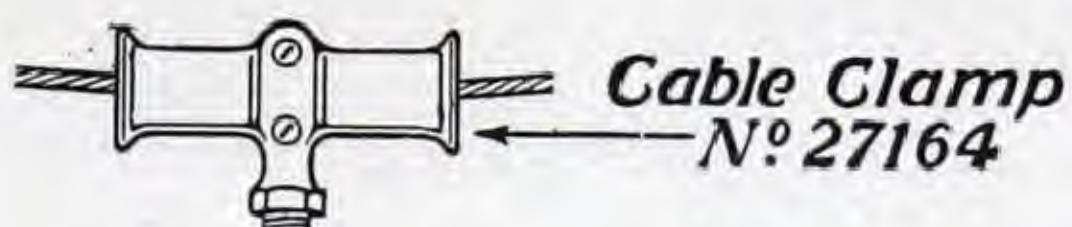
Trade No.	Description	Ship. Wt.	Price
With 18-inch Radial Bowl Reflector for 100, 150 and 200 Watt Multiple Mazda "C" Lamps			
27541	Complete Streethood.....	22	\$9.45
27547	Spreader Tip Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap for 3/4-in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
20399	Iron Pulley Arm.....	6	1.40
20400	Iron Brace Arm.....	6	1.20
20401	2 Adjusting Clamps.....	1/2	.30
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Bowl Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps			
27542	Complete Streethood.....	27	\$13.95
27547	Spreader Tip Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap, for 3/4-in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
27166	6 1/2-inch Holophane Bowl Refractor.....	3 1/2	3.00
27146	Hinged Refractor Holder.....	1 1/2	1.50
20399	Iron Pulley Arm.....	6	1.40
20400	Iron Brace Arm.....	6	1.20
20401	2 Adjusting Clamps.....	1/2	.30
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Skirted Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps			
27543	Complete Streethood.....	27	\$13.95
27547	Spreader Tip Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap for 3/4-in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
27167	6 1/2-inch Holophane Skirted Refractor.....	3 1/2	3.00
27146	Hinged Refractor Holder.....	1 1/2	1.50
20399	Iron Pulley Arm.....	6	1.40
20400	Iron Brace Arm.....	6	1.20
20401	2 Adjusting Clamps.....	1/2	.30
With 18-inch Radial Bowl Reflector and 6 1/2-inch Holophane Band Refractor for 100 and 150 Watt Multiple Mazda "C" Lamps			
27544	Complete Streethood.....	26	\$13.95
27547	Spreader Tip Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap for 3/4-in. Pipe.....	2	2.50
27143	18-inch Radial Bowl Reflector.....	4	2.75
27168	6 1/2-inch Holophane Band Refractor.....	2 1/2	3.00
27146	Hinged Refractor Holder.....	1 1/2	1.50
20399	Iron Pulley Arm.....	6	1.40
20400	Iron Brace Arm.....	6	1.20
20401	2 Adjusting Clamps.....	1/2	.30
With 20-inch Flat Radial Reflector for 40, 60 and 75 Watt Multiple Mazda "B" Lamps			
27545	Complete Streethood.....	23	\$8.95
27547	Spreader Tip Cross Arm.....	3	1.00
27536	Holder-Socket with Plain Cap for 3/4-in. Pipe.....	2	2.50
27162	20-inch Flat Radial Reflector.....	5	2.25
20399	Iron Pulley Arm.....	6	1.40
20400	Iron Brace Arm.....	6	1.20
20401	2 Adjusting Clamps.....	1/2	.30

Parts for Multiple Streethoods

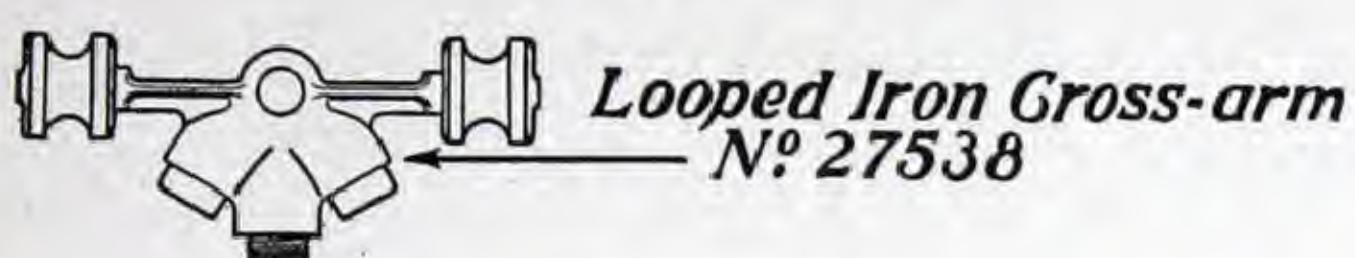
Schedule A—Standard Package Quantity 10



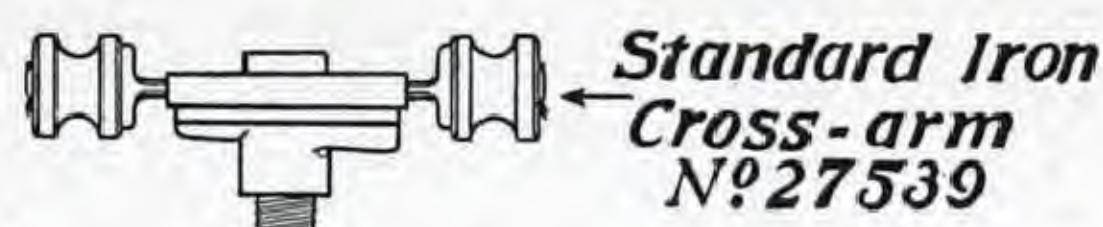
*Spreader Tip Cross-arm
N° 27547*



*Cable Clamp
N° 27164*



*Looped Iron Cross-arm
N° 27538*



*Standard Iron
Cross-arm
N° 27539*



*Medium Screw Base
Holder Socket N° 27536*



*Mogul Screw Base
Holder Socket
N° 27537*

Interchangeable Parts for Multiple Streethood.

PRICE LIST

Schedule A—Standard Package Quantity 10

Trade No:	Description	Ship. Wt. lbs. each	Price each
27536	Medium Screw Holder Socket with Cap for $\frac{3}{4}$ -inch Pipe.....	2	\$2.50
27537	Mogul Screw Holder Socket with Cap for $\frac{3}{4}$ -inch Pipe.....	4	3.00
27540	Mogul Screw to Medium Screw Adjuster.....	$\frac{1}{2}$.75
27162	20-inch Flat Radial Reflector.....	5	2.25
27143	18-inch Radial Bowl Reflector.....	4	2.75
27144	20-inch Radial Bowl Reflector with Extension.....	6	3.50
27166	6 $\frac{1}{2}$ -inch Holophane Bowl Refractor.....	$3\frac{1}{2}$	3.00
27167	6 $\frac{1}{2}$ -inch Holophane Skirted Refractor.....	$3\frac{1}{2}$	3.00
27168	6 $\frac{1}{2}$ -inch Holophane Band Refractor.....	$2\frac{1}{2}$	3.00
27169	8 $\frac{1}{2}$ -inch Holophane Bowl Refractor.....	$9\frac{1}{2}$	6.00
27170	8 $\frac{1}{2}$ -inch Holophane Skirted Refractor.....	$8\frac{1}{2}$	6.00
27171	8 $\frac{1}{2}$ -inch Holophane Band Refractor.....	$5\frac{1}{2}$	6.00
27172	8 $\frac{1}{2}$ -inch "Sol-lux" Diffuser.....	$4\frac{1}{2}$	3.00
27146	6 $\frac{1}{2}$ -inch Hinged Refractor Holder.....	$1\frac{1}{2}$	1.50
27145	8 $\frac{1}{2}$ -inch Hinged Refractor Holder.....	$1\frac{1}{2}$	1.50
27538	Style DX Looped Iron Cross Arm.....	3	1.50
27164	Cable Clamp.....	$2\frac{1}{2}$.60
27539	Standard Iron Cross Arm.....	3	1.00
27547	Spreader Tip Cross Arm.....	3	1.00
20399	Iron Pulley Arm.....	6	1.40
20400	Iron Brace Arm.....	6	1.20
20401	Adjusting Clamp.....	$\frac{1}{2}$.30

Lamp Grip Multiple Sockets

For use with porcelain heads Nos. 27195 and 27196 or with other styles of Streethoods which are arranged for standard hood forks.

Cutter Lamp Grip Sockets are designed to meet the severe conditions found in outside service. The intense heat of the Type C Clamps subjects the socket to greatly varying temperatures, ranging from several hundred degrees Fahr. when the lamp is burning, to below zero when the lamp is out.

These changes in temperature, taking place while the socket shells are under tension, will quickly depreciate their spring qualities and cause them to split, unless they are made sufficiently strong and some provision provided to meet these conditions.

The Cutter Lamp Grip Sockets are equipped with two vertical springs which engage the threads of the lamp collar, re-enforce the socket shells and relieve the tension. These vertical springs grip the lamp base and prevent the lamp from working loose when subjected to vibration and the contraction and expansion caused by the variations in temperature.

These springs also create an increase of positive contact between the lamp terminal and the socket.

The terminals are easily accessible and very generously designed.

The use of these sockets will greatly reduce lamp breakage and outages.

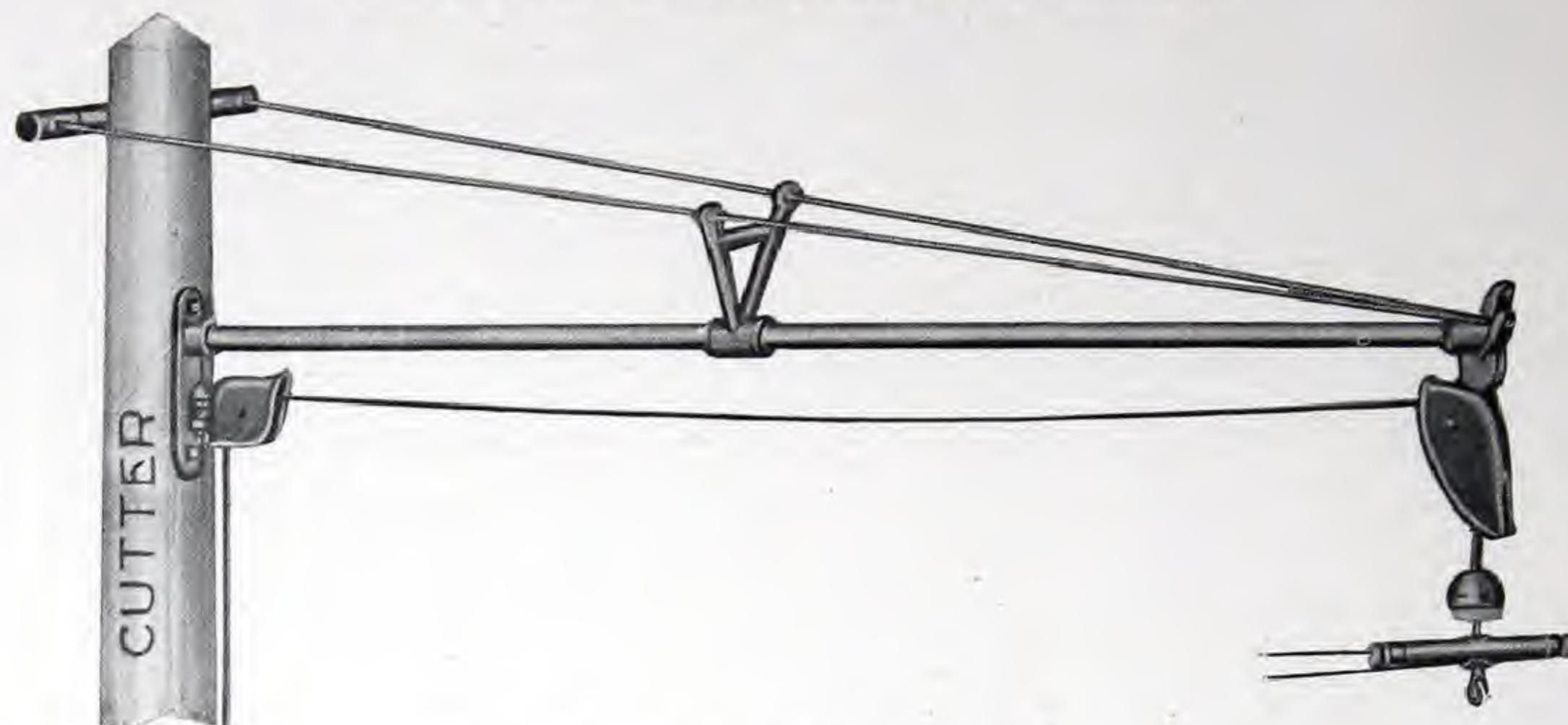


Medium Screw Base Lamp
Grip Socket.

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
21400	Medium Screw Base.....	200	$\frac{7}{8}$	\$0.50
21402	Mogul Screw Base.....	150	$1\frac{1}{4}$.80

Cutter Mast Arms

Schedule C—Standard Package Quantity 10



Junior Mast Arm with Triple Insulation Arm

Junior Mast Arms

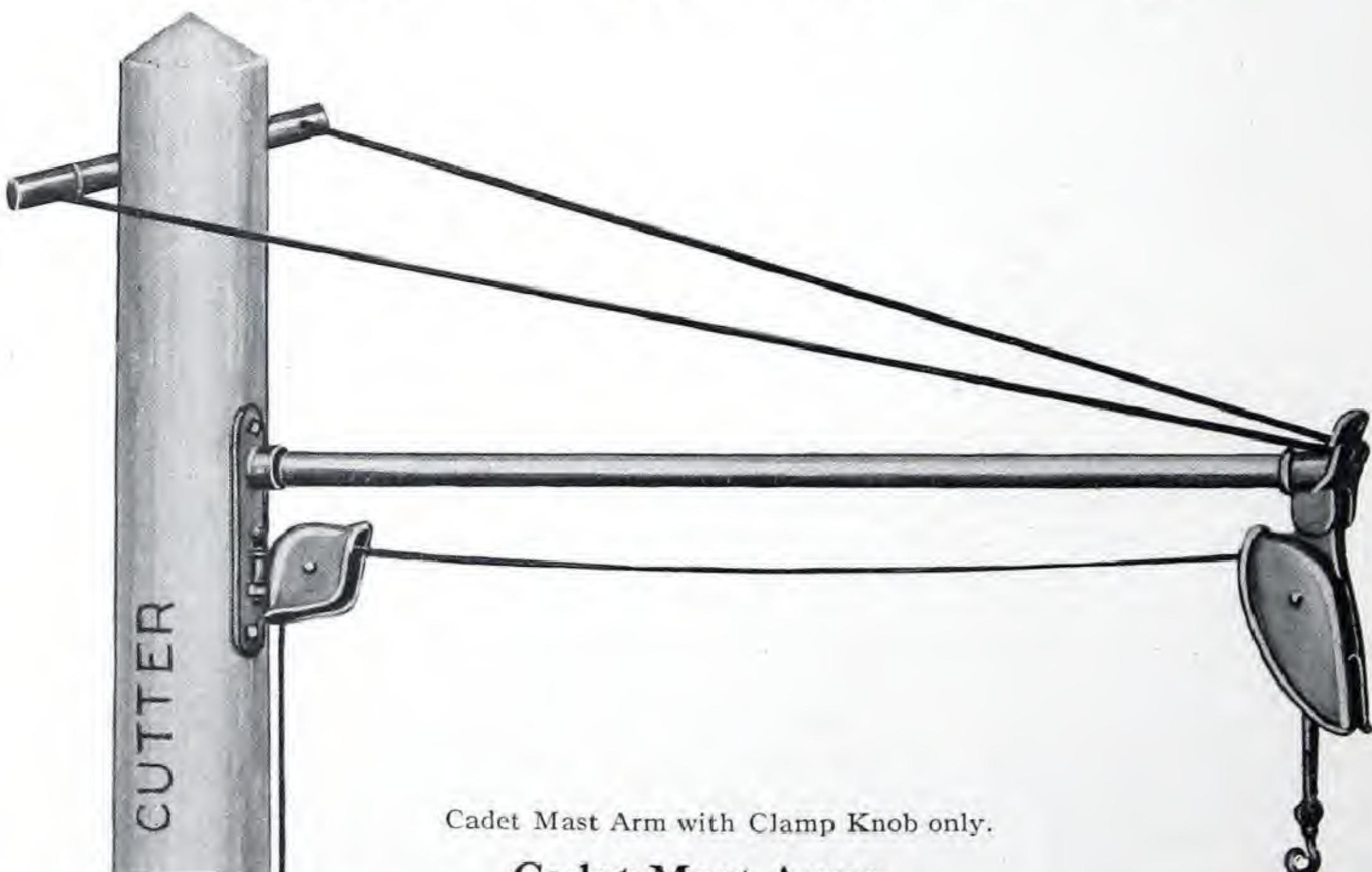
Designed to meet the demand for low priced, yet complete and well braced mast arms. They have pole plates with weatherproof pulleys fitted direct to them and mast arm pulleys for lowering the lamps. Shipped complete with strain rods, strain arm, pipe and pulleys.

With Clamp Knob Only

Overhang feet	Trade No.	Wt. lbs. each	Price each
6	20618	48	\$7.70
8	20619	57	8.50
10	20620	60	9.30
12	20621	67	10.10
14	20622	72	10.85

With Triple Insulation Arm

Trade No.	Wt. lbs. each	Price each
20623	51	\$9.05
20624	60	9.85
20625	63	10.65
20626	70	11.45
20627	75	12.20



Cadet Mast Arm with Clamp Knob only.

Cadet Mast Arms

Similar to Junior Mast Arms, but without the stiffening triangle.

With Clamp Knob Only

Overhang feet	Trade No.	Wt. lbs. each	Price each
4	20698	35	\$5.90
6	20699	40	6.70
8	20700	49	7.50

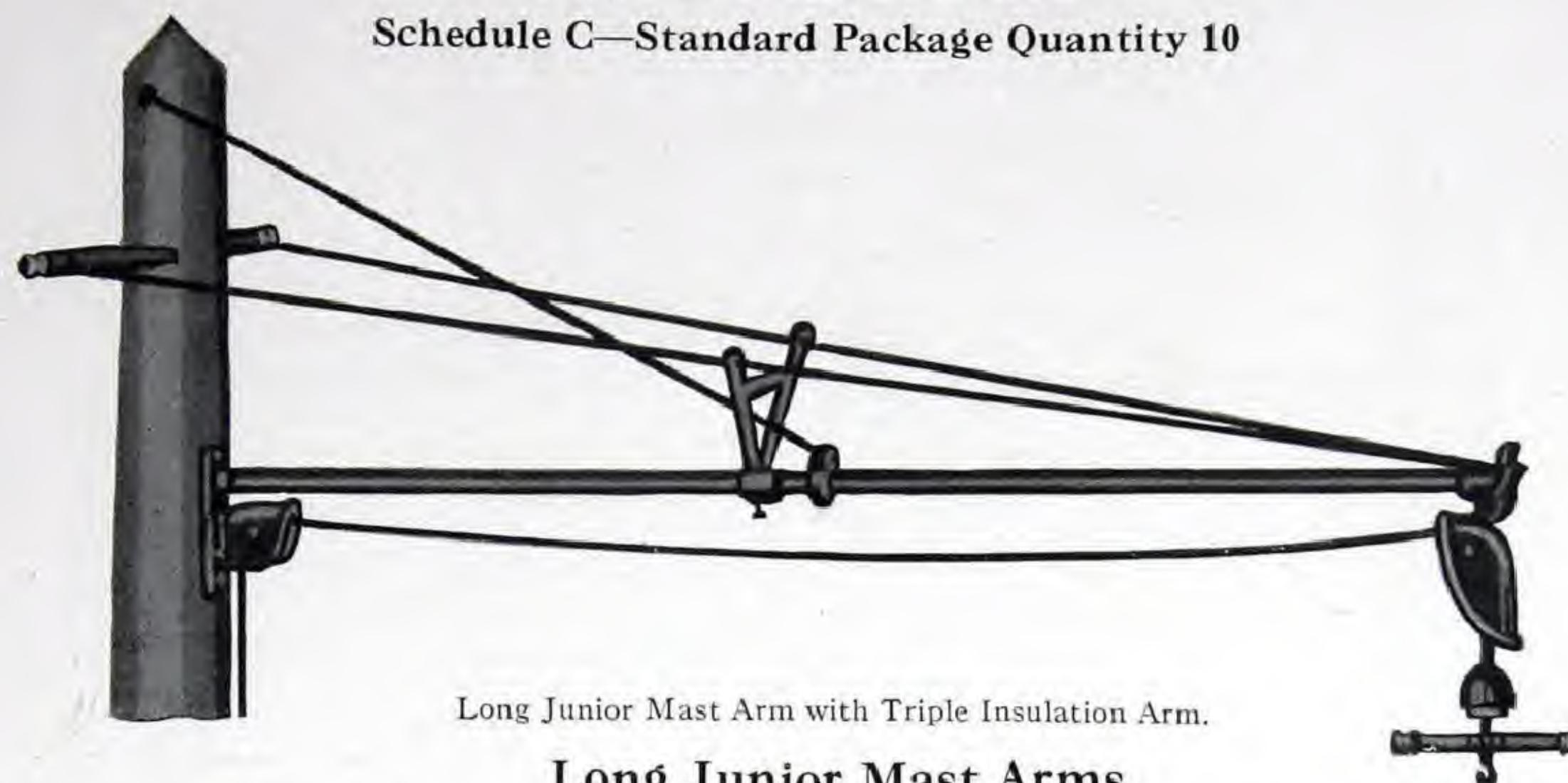
With Triple Insulation Arm

Trade No.	Wt. lbs. each	Price each
20701	39	\$7.25
20702	44	8.05
20703	53	8.85

Galvanizing: Any of the above Mast Arms will be furnished galvanized and painted black, for 20% list additional.

Cutter Mast Arms

Schedule C—Standard Package Quantity 10

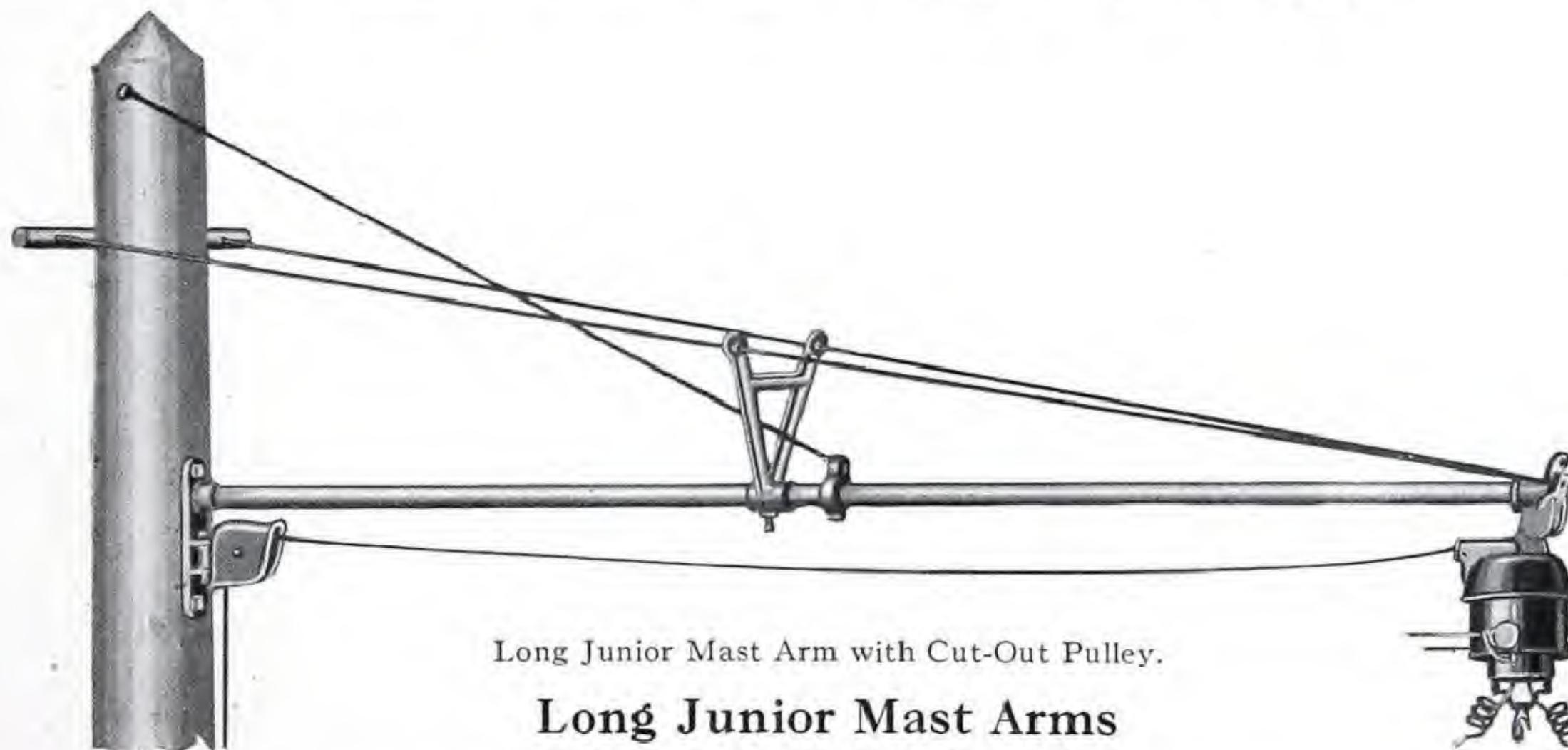


Long Junior Mast Arm with Triple Insulation Arm.

Long Junior Mast Arms

Similar to the Junior, but with double-braced strain arm. An extra support for the center of the pipe is furnished on 14-foot and longer arms.

Over-hang feet	With Clamp Knob Only			With Triple Insula-tion Arm		
	Trade No.	Wt. lbs. each	Price each	Trade No.	Wt. lbs. each	Price each
6	20628	52	\$8.50	20637	55	\$9.85
8	20629	61	9.30	20638	64	10.65
10	20630	64	10.05	20639	67	11.40
12	20631	70	10.85	20640	73	12.20
14	20632	79	12.05	20641	83	13.40
15	20633	85	12.45	20642	89	13.80
16	20634	90	12.85	20643	93	14.20
18	20635	94	13.80	20644	98	15.15
20	20636	100	14.80	20645	104	16.15



Long Junior Mast Arm with Cut-Out Pulley.

Long Junior Mast Arms

With Cut-Out Pulley

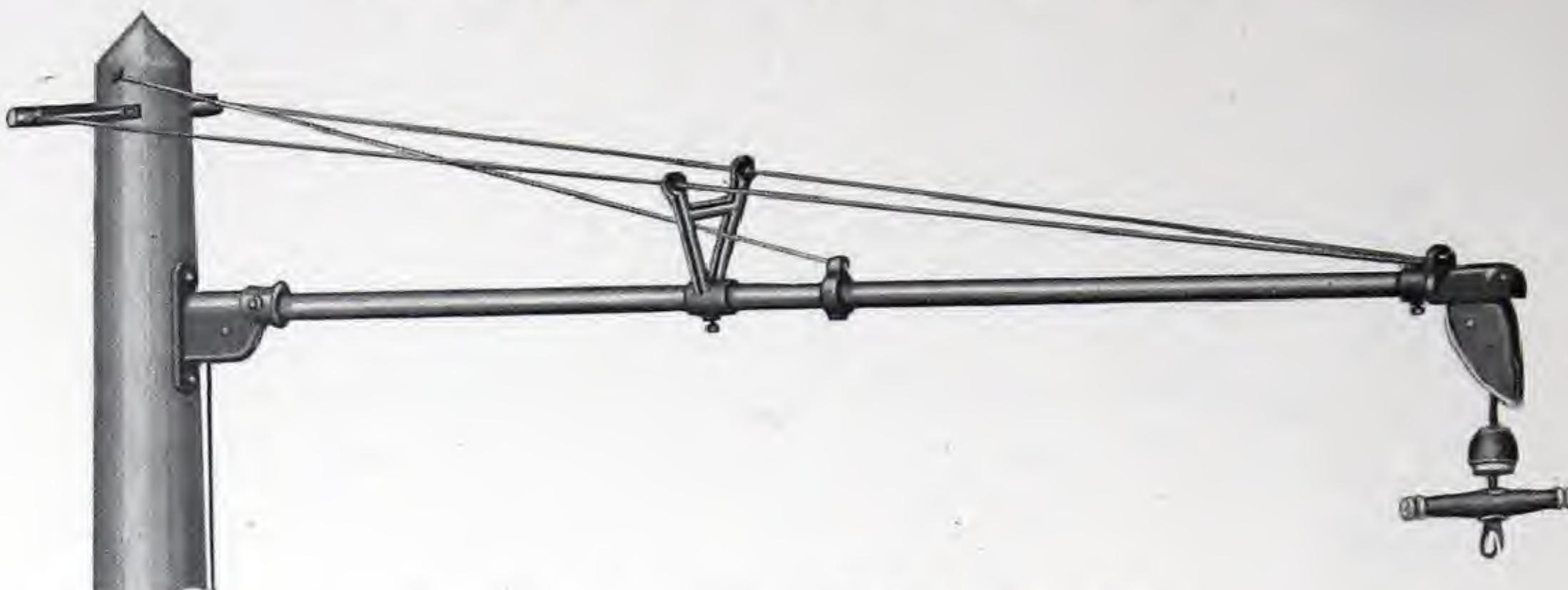
Long Junior Mast Arms as listed above with Standard Cut-Out Pulley in place of lamp-supporting pulley with clamp knob.

Over-hang feet	With Series Cut-Out Pulley			With Multiple Cut- Out Pulley		
	Trade No.	Wt. lbs. each	Price each	Trade No.	Wt. lbs. each	Price each
6	27200	68	\$16.85	27210	68	\$16.85
8	27201	77	17.65	27211	77	17.65
10	27202	80	18.40	27212	80	18.40
12	27203	86	19.20	27213	86	19.20
14	27204	95	20.40	27214	95	20.40
15	27205	101	20.80	27215	101	20.80
16	27206	106	21.20	27216	106	21.20
18	27207	110	22.15	27217	110	22.15
20	27208	116	23.15	27218	116	23.15

Galvanizing: Any of the above Mast Arms will be furnished galvanized and painted black, for 20% list additional.

Cutter Mast Arms

Schedule C—Standard Package Quantity 10

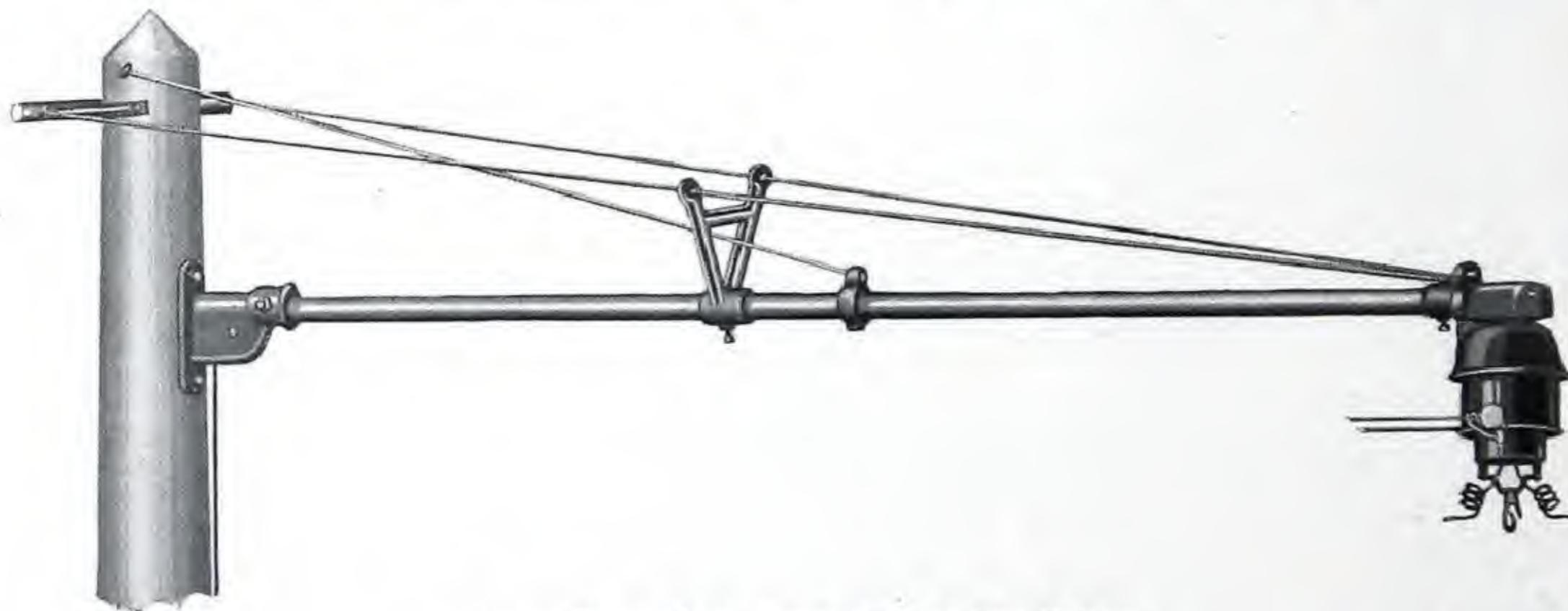


Inner-Rope Mast Arm with Triple Insulation Arm.

Inner-Rope Mast Arms

The pole pulley is built inside the pole plate and the outer supporting pulley fits in a clamp that allows the rope to pass through the pipe. Extra center rod and double braced strain arm furnished with 14-foot and longer arms.

Over-hang feet	With Clamp Knob only			With Triple Insula-tion Arm		
	Trade No.	Wt. lbs. each	Price each	Trade No.	Wt. lbs. each	Price each
6	20680	50	\$7.70	20689	53	\$9.05
8	20681	56	8.50	20690	59	9.85
10	20682	66	9.30	20691	69	10.65
12	20683	76	10.05	20692	79	11.40
14	20684	91	12.45	20693	89	13.80
15	20685	95	12.85	20694	99	14.20
16	20686	101	13.25	20695	109	14.60
18	20687	111	14.25	20696	119	15.60
20	20688	121	15.25	20697	129	16.60



Inner-Rope Mast Arm with Cut-Out Pulley.

Inner-Rope Mast Arms

With Cut-Out Pulley

Inner-Rope Mast Arms as listed above with Standard Cut-Out Pulley in place of lamp-supporting pulley.

Over-hang feet	With Series Cut-Out Pulley			With Multiple Cut- Out Pulley		
	Trade No.	Wt. lbs. each	Price each	Trade No.	Wt. lbs. each	Price each
6	27220	66	\$16.05	27230	66	\$16.05
8	27221	72	16.85	27231	72	16.85
10	27222	82	17.65	27232	82	17.65
12	27223	92	18.40	27233	92	18.40
14	27224	107	20.80	27234	107	20.80
15	27225	111	21.20	27235	111	21.20
16	27226	117	21.60	27236	117	21.60
18	27227	127	22.60	27237	127	22.60
20	27228	137	23.60	27238	137	23.60

Galvanizing: Any of the above Mast Arms will be furnished galvanized and painted black, for 20% list additional.

Cutter Mast Arms

Schedule C—Standard Package Quantity 10 Corporal Mast Arms

Similar to Inner-Rope Mast Arm, listed on page 36 but without stiffening triangle.

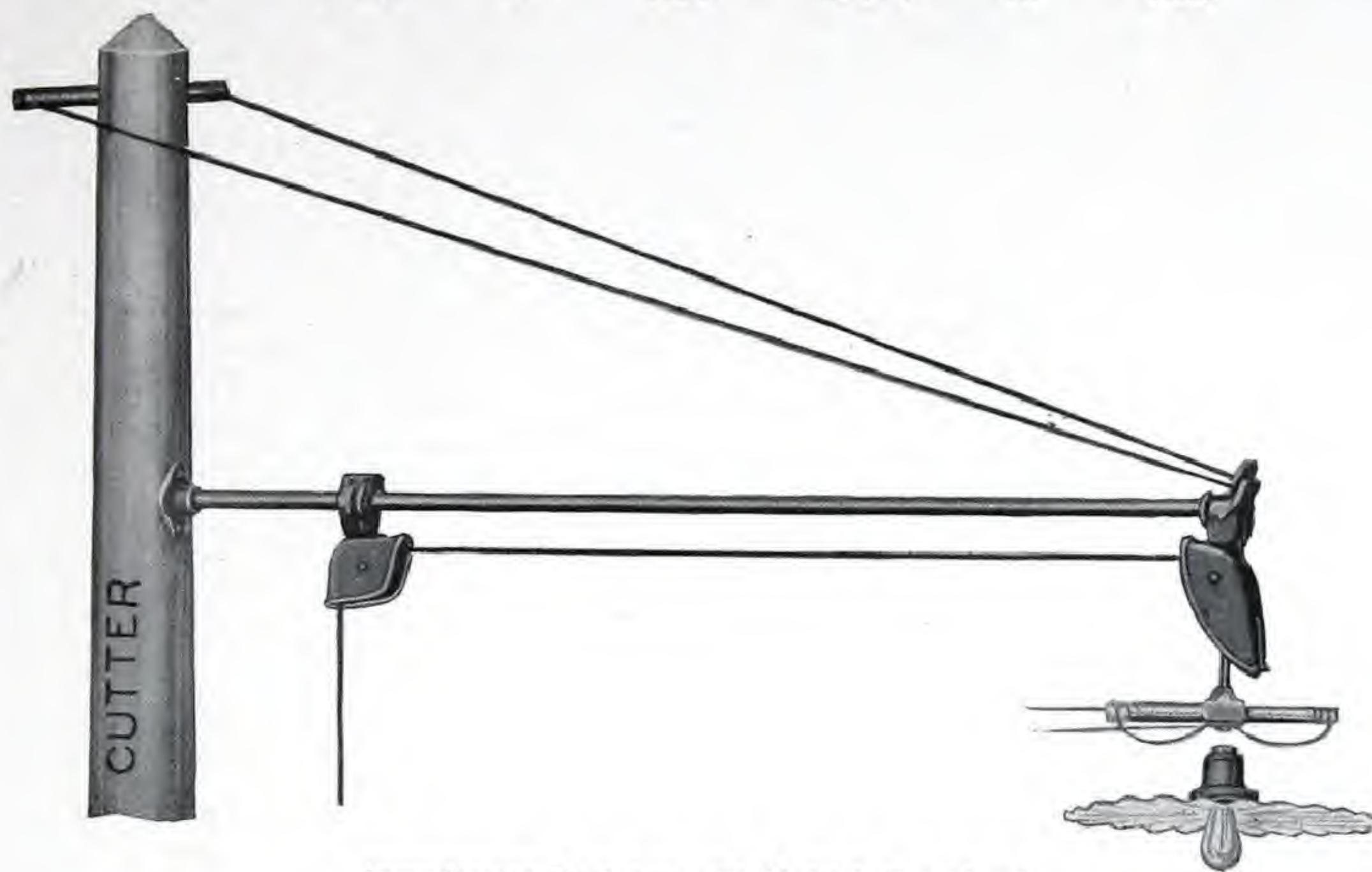
With Clamp Knob only

Over-
hang
feet

Trade No.	Wt. lbs. each	Price each
20704	39	\$5.90
20705	44	6.70
20706	49	7.50

With Triple Insula- tion Arm

Trade No.	Wt. lbs. each	Price each
20707	43	\$7.25
20708	48	8.05
20709	53	8.85

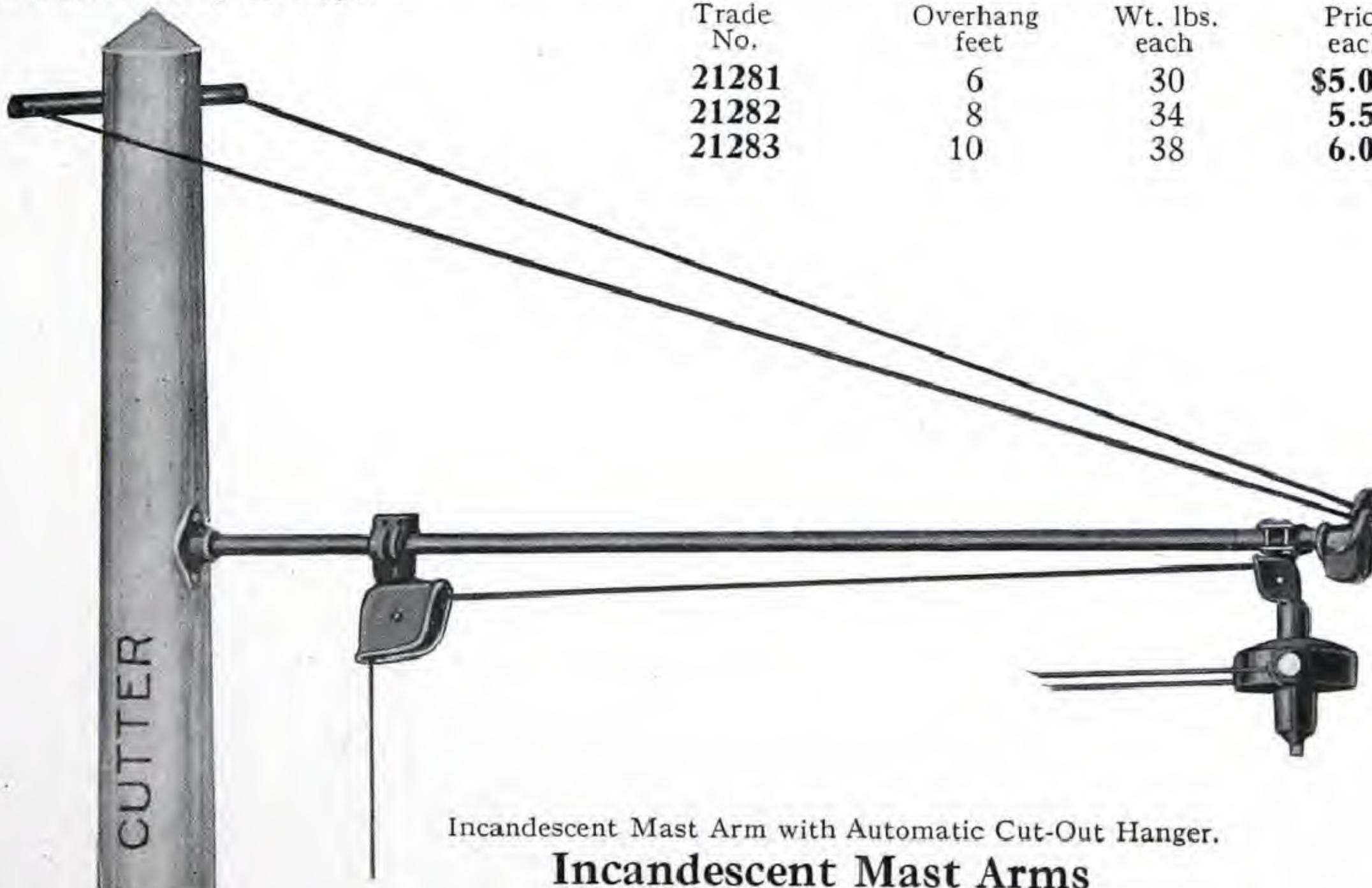


Incandescent Mast Arm with Multiple Streethood.

Incandescent Mast Arms

Designed especially for Cutter Multiple Streethood Bodies. Shipped complete, as shown, with $\frac{3}{4}$ -inch pipe arm, curved pole plate, inner weatherproof pulley, outer Petite Pulley with cross-arm, strain arm and rods, but without Streethood Body or Rope.

Trade No.	Overhang feet	Wt. lbs. each	Price each
21281	6	30	\$5.00
21282	8	34	5.50
21283	10	38	6.00



Incandescent Mast Arm with Multiple Streethood.

Incandescent Mast Arms

With Automatic Cut-Out Hanger

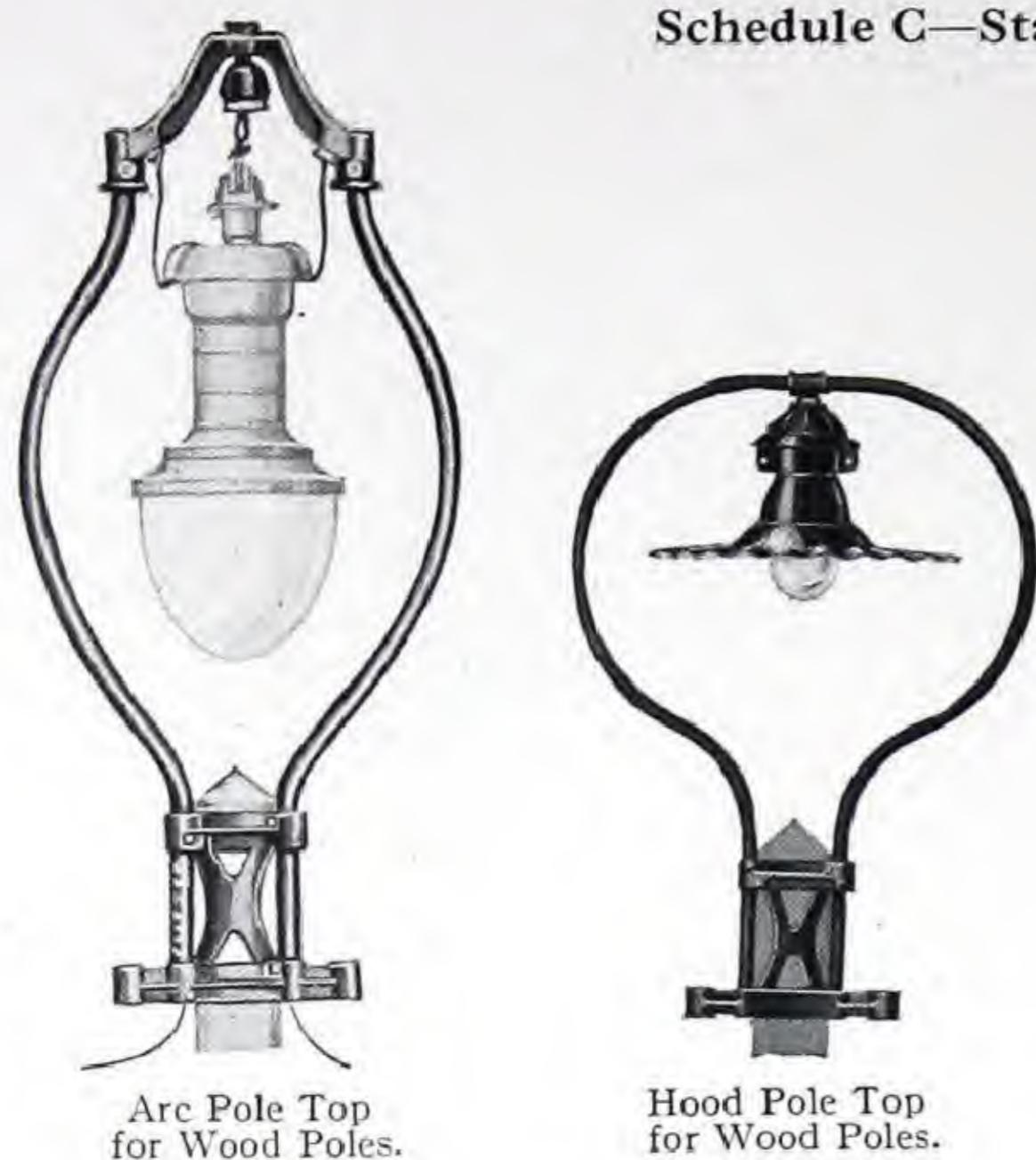
Incandescent Mast Arms as described above, with Automatic Cut-Out Hanger in place of Petite Pulley.

Trade No.	Overhang feet	Wt. lbs. each	Price each
27240	6	45	\$9.35
27241	8	49	9.85
27242	10	53	10.35

Galvanizing: Any of the above Mast Arms will be furnished galvanized and painted black, for 20% list additional.

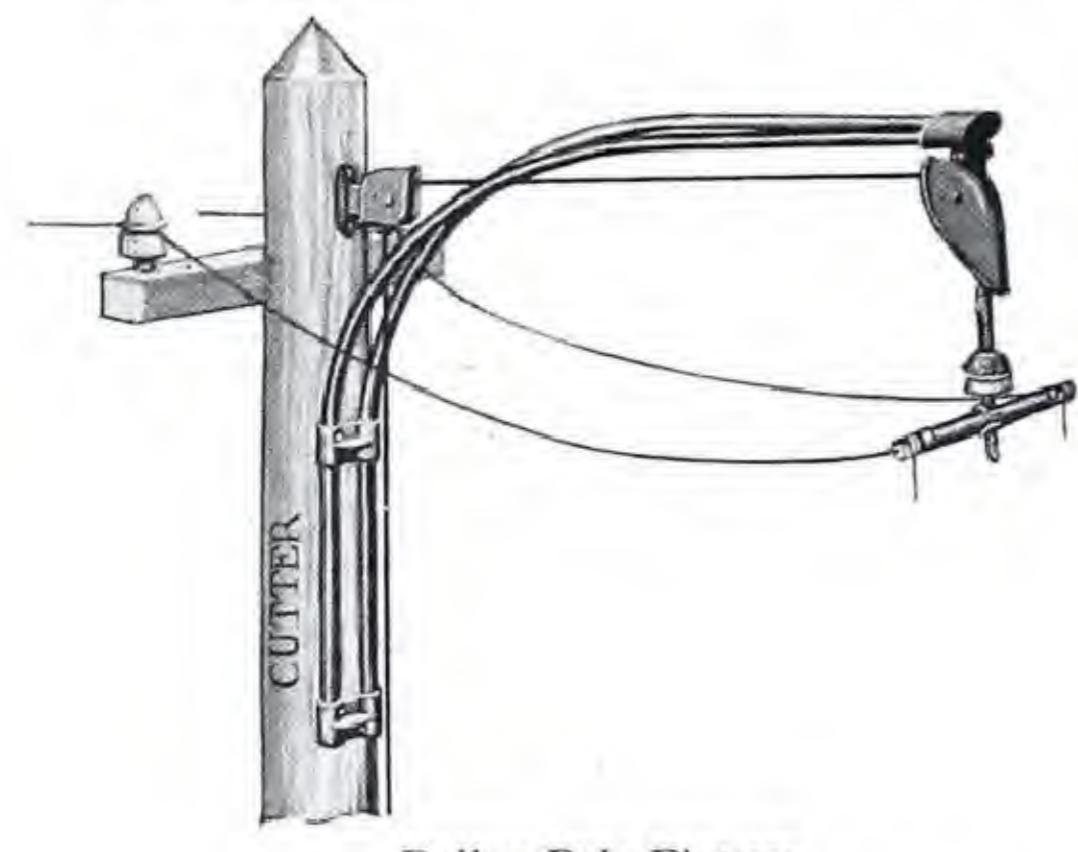
Cutter Pole Fixtures and Brackets

Schedule C—Standard Package Quantity 10

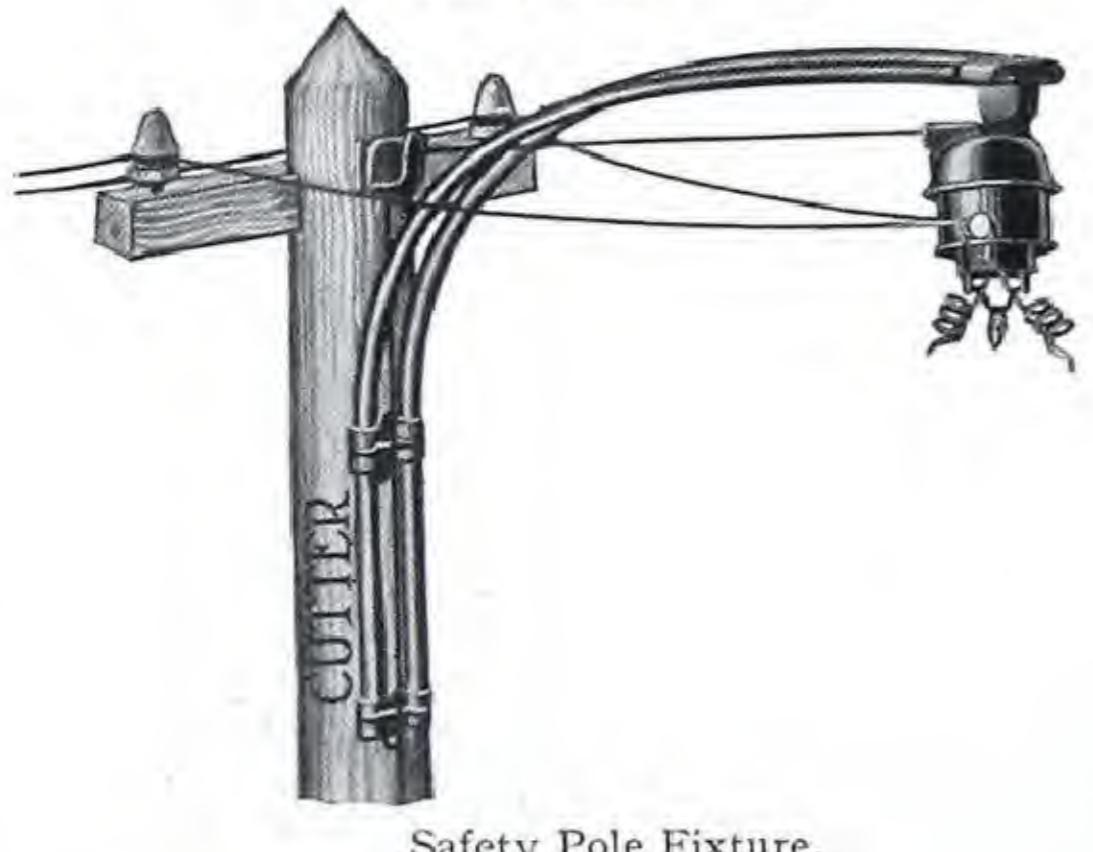


Arc Pole Top
for Wood Poles.

Hood Pole Top
for Wood Poles.



Pulley Pole Fixture.



Safety Pole Fixture.



Flaming Arc Bracket.

Arc Pole Tops

Has a shadowless plate for wood poles made for wood pins to carry insulators. The wires are run through the curved $\frac{3}{4}$ -inch pipes, out through porcelain bushings in the arch to the terminals of the lamp. Height from insulator hook to top of pole, 42 inches. Maximum spread of pipes, 27 inches. A pair of insulated reflector clamps, No. 21989 will be furnished for 80 cents list extra.

Trade No.	Description	Wt. lbs.	Price each
21990	For wood poles.....	28	\$6.00
21991	For 2½-inch bore pipe.....	34	6.00
21992	For 3-inch bore pipe.....	35	6.10
21993	For 4-inch bore pipe.....	36	6.30
21994	For 5-inch bore pipe	37	6.40

Hood Pole Tops

Designed for Streethoods and light incandescent fixtures. Has the same base as the Arc Pole Top, but has a plain pipe tee with $\frac{3}{4}$ -inch nipple at top instead of insulated arch.

Height from nipple to top of pole, 27 inches. Maximum spread of pipes, 28 inches.

Trade No.	Description	Wt. lbs.	Price each
27251	For wood poles.....	17	\$3.50
27252	For 2½-inch bore pipe.....	23	3.50
27253	For 3-inch bore pipe.....	24	3.60
27254	For 4-inch bore pipe.....	25	3.80
27255	For 5-inch bore pipe	26	3.90

Pulley Pole Fixture

A 3-foot fixture complete, with lamp-supporting and pole pulleys, enabling the lamp to be lowered for trimming. A good substitute for a short mast arm.

Furnished with flat plates for attaching to walls or square poles, when so ordered.

Trade No.	Description	Wt. lbs.	Price each
20537	With clamp knob only.....	27	\$5.90
20538	With triple insulation arm.....	31	7.25

Safety Pole Fixtures

Same as pulley pole fixture, but with cut-out pulley in place of lamp-supporting pulley. See page 39 for description of cut-out.

Trade No.	Description	Wt. lbs.	Price each
20759	With series cut-out pulley.....	43	\$14.45
20760	With multiple cut-out pulley....	43	14.45

Flaming Arc Brackets

Designed for supporting heavy arc lamps in front of buildings. The pipe is $1\frac{1}{4}$ -inch bore and guyed from the outer end by a chain. The ornamental scroll is made of heavy wrought iron. The lower pole plate has a pulley built in the casing. The cut-out pulley on the outer end allows the lamp to be lowered for trimming without lowering the wires. Furnished complete, as shown, without the rope or wires. Use $\frac{3}{8}$ -inch Banner Core Rope. Two chains furnished for 5-foot lengths.

Trade No.	With Multiple Pulley	With Series Pulley	Over-hang feet	Wt. lbs.	Price each
20574	20577		3	55	\$20.00
20575	20578		4	60	21.00
20576	20579		5	65	23.50

Cutter Cut-Out Pulleys

Schedule D—Standard Package Quantity 10

Standard Cut-Out Pulleys For Series or Multiple Circuits

An ingenious, simple and positive device which sustains the lamp and holds it in contact independent of the hoisting rope.

When the lamp is lowered, the series circuit is closed, the multiple circuit is opened. The circuit wires are run taut to the pulley and are never lowered. The lamp can be lowered straight down without interfering with trolley wires or other obstacles.

Lamps can be cleaned, trimmed, adjusted or replaced on live circuits with perfect safety. The pulley acts as a positive insurance against accidents and protects expensive lamps from damage under adverse conditions.

No ladders or poles to climb.

It is designed particularly for use on high voltage circuits either D. C. or A. C.

The contacts are self-cleaning.

There is nothing about the pulley to wear or get out of order.

The switching and supporting features are entirely automatic and certain in operation.

You pull the rope—the pulley does the rest.

Made for rope or chain, as ordered.

Recommended for use with Long Junior and Inner-Rope Mast Arms in place of outer mast arm pulleys.

Trade No.	For Series Circuits	For Multiple Circuits	Description	Wt. lbs.	Price each
20763	20773		With cable clamp.....	25	\$10.00
20768	20778		With 1½-inch mast arm clamp.....	25	10.00
20769	20779		With 1½-inch mast arm clamp.....	25	10.00
20770	20780		With ceiling plate.....	25	10.00
27209	27219		With 1¼-inch inner-rope mast arm clamp..	25	10.00

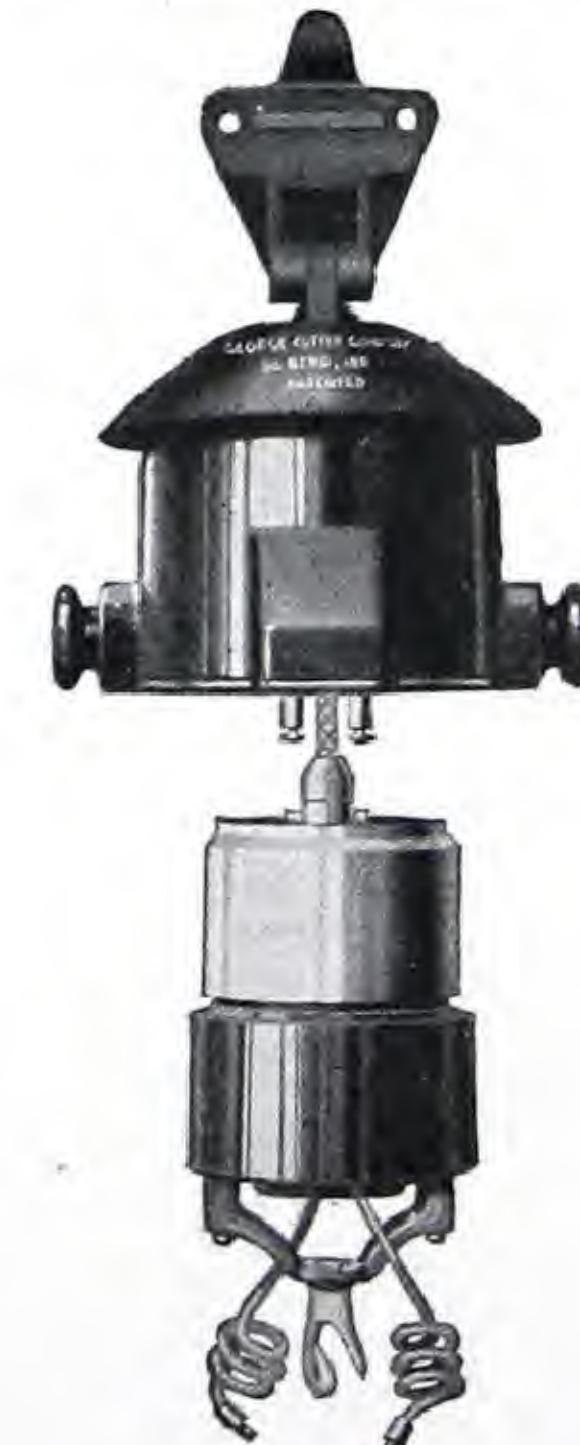
Use Cutter 3/8-inch Hoisting Rope or 1/4-inch Ebony Wire Rope with these pulleys. Made for use with galvanized chain when so ordered.



Standard Cut-Out Pulley
with Cable Clamp.



Standard Cut-Out Pulley
with Mast Arm Clamp.



End View of
Jupiter Cut-Out Pulley
with Mast Arm Clamp.

Jupiter Cut-Out Pulleys for Series Circuits

Built along the same general lines as Cutter Standard Cut-Out Pulleys, but designed for extra heavy duty service. Recommended for D. C. and A. C. Series Circuits of 2300 volts or higher and for localities where atmospheric conditions demand extra high insulation and heavy current carrying parts. Made for rope or chain as ordered.

Trade No.	Description	Wt. lbs.	Price each
21470	With cable clamp.....	65	\$14.00
21471	With 1¼-inch mast arm clamp.....	65	14.00
21472	With 1½-inch mast arm clamp.....	65	14.00
27229	With 1¼-inch inner-rope mast arm clamp.....	65	14.00

Cutter Pulleys

Schedule D



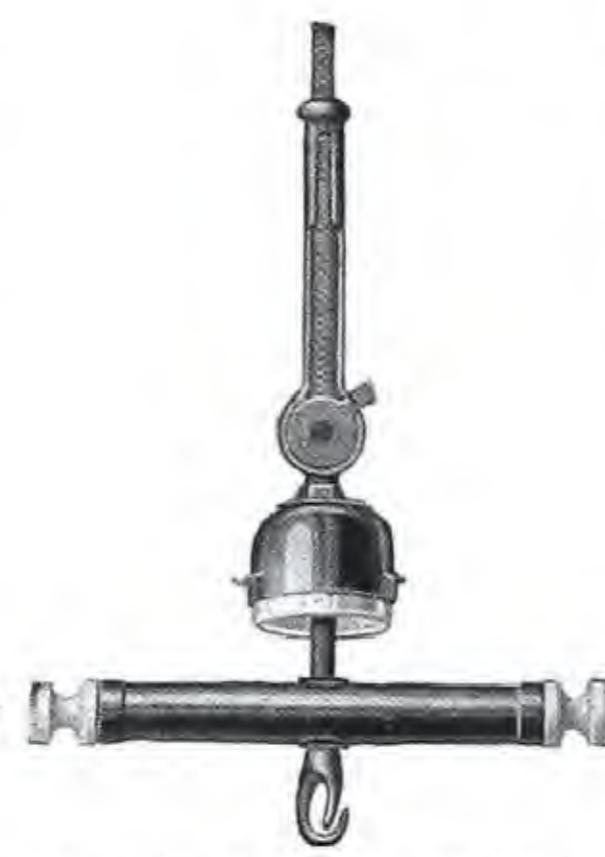
Lamp-Supporting Pulley
with Clamp Knob.



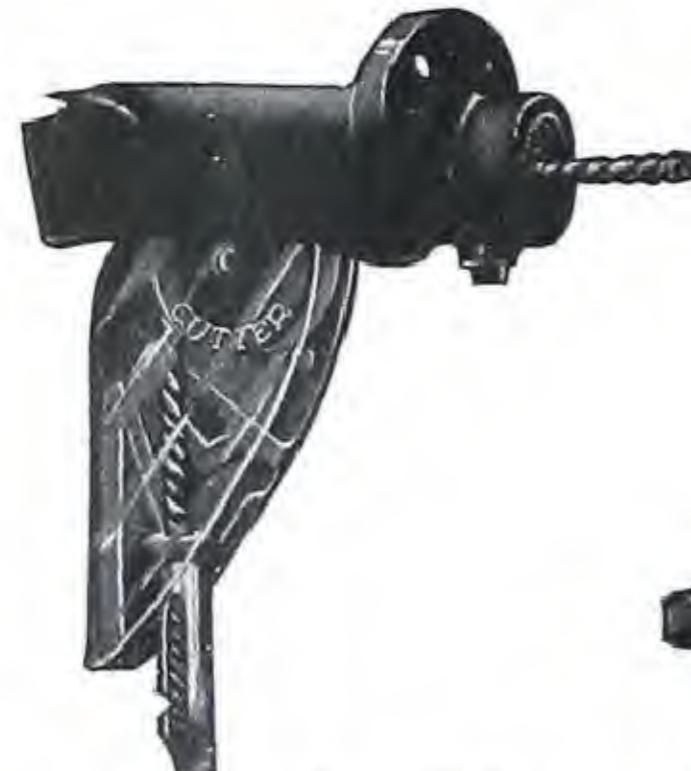
Clamp Knob.



Mast Arm
Pulley.



Clamp Knob with Triple
Insulation Arm.



Inner-Rope Pulley.



Swivel Pole Pulley.

Ceiling Pulley.

Lamp-Supporting Pulleys

Holds the lamp when raised and releases it when about to be lowered. Has a long swivel clamp to fit any size suspension wire or cable and a malleable iron clamp knob to hold the lamp. On raising the lamp, this knob is engaged by the pulley and takes all the strain off the rope. Another pull at the rope guides the knob out so that the lamp can be readily lowered. The action is entirely automatic. You pull the rope till it reaches a dead stop, and the pulley does the rest. There are no extra catches or fingers to bend out of shape or bind on the casing or to get clogged with sleet. It is the only weatherproof safety pulley that works every time. The clamp knob clamps any size rope up to $\frac{1}{2}$ -inch.

PRICE LIST

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20782	With clamp knob only	50	9	\$1.45
20784	With triple insulation arm ..	50	13	2.80
27243	With Goliath cross arm.....	50	20	3.70

Mast Arm Pulleys

A modification of the lamp-supporting pulley, having an extra strong single piece clamp, which fits the iron pipe of a mast arm and which also forms the headpiece so that the strain rods can be run direct to it.

For 1 $\frac{1}{4}$ -inch (Bore) Pipe

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20786	With clamp knob only	50	10	\$1.65
20788	With triple insulation arm ..	50	14	3.00
27244	With Goliath cross arm	50	21	3.90

Inner-Rope Pulleys

A lamp-supporting pulley with a hooded end clamp for use with mast arms in which the rope runs through the pipe.

For 1 $\frac{1}{4}$ -inch (Bore) Pipe

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20794	With clamp knob only	50	14	\$1.80
20796	With triple insulation arm....	50	18	3.15
27245	With Goliath cross arm.....	50	25	4.05

Clamp Knobs

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20802	With hook only.....	100	1 $\frac{1}{2}$	\$0.30
20804	With triple insulation arm..	100	6	1.65
27246	With Goliath cross arm.....	100	13	2.55

Ceiling Pulleys

A form of the lamp-supporting pulley, with a plate for use on bridges or under beams in shops or yards.

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20810	With clamp knob only.....	50	9	\$1.65
20811	With triple insulation arm..	50	13	3.00
27247	With Goliath cross arm.....	50	20	3.90

Swivel Pole Pulleys

A weatherproof pole pulley, swiveled so that it can swing sideways and keep in line with the hoisting rope. Has a strong malleable iron pole plate.

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20813	100	4 $\frac{1}{4}$	\$0.75

Jumbo Pole Pulleys

Similar to the above, but larger, to take $\frac{3}{4}$ -inch rope.

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20814	75	5 $\frac{1}{2}$	\$1.10

For galvanizing any of the above, add 50 per cent to list price, which includes final coat of black enamel.

Cutter Pulleys

Schedule D

Interchangeable Pulleys

A weatherproof pulley with a universal clamp made of malleable iron, which will grip any standard size of suspension wire or cable. By taking out the two bolts the clamp can be opened out so as to form a wall plate, which fits the curved surface of a pole and which is easily fastened in place by lag screws. When so used it makes a swiveled pole pulley similar in action to the Cutter Swivel Pole Pulley.

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
20816		100	4 1/4	\$0.75



Interchangeable Pulley. Sleeve Pulley.

Jumbo Changeable Pulleys

Similar to the interchangeable pulley, but larger, to take $\frac{3}{4}$ -inch rope.

20817		75	5 1/2	\$1.10
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Midget Changeable Pulley. Petite Pulley with Cross Arm.

Sleeve Pulleys

A weatherproof pulley with a sleeve clamp to grip iron pipe.

20818	For $\frac{3}{4}$ -inch (Bore) pipe	100	5 1/4	\$0.80
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Pole Housing.

Petite Pulley with Cross Arm

Consists of a Petite Lamp-Supporting Pulley for cable suspension, with a movable cross arm. Designed for use with Cutter Multiple Streethoods.

20415		100	2 1/2	\$0.70
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Tail Pulley.

Pole Housing

The pole plate and pulley casing are made in one piece, with the sheaves placed so the rope can run through the pipe, as with the Cutter Inner-Rope and Corporal Mast Arms.

20826	For $1\frac{1}{4}$ -inch (Bore) pipe	75	6 1/2	\$1.20
20827	For $1\frac{1}{2}$ -inch (Bore) pipe	75	6 3/4	1.20



Tail Pulleys

A companion to the pole housing for use with Cutter Inner-Rope and Corporal Mast Arms.

20828	For $1\frac{1}{4}$ -inch (Bore) pipe	75	6 3/4	\$0.90
20829	For $1\frac{1}{2}$ -inch (Bore) pipe	75	7	.90



Junior Pole Plate with Pulley.

Junior Pole Plate with Pulley

As furnished with the Junior, Long Junior and Cadet Mast Arms. Socket for $1\frac{1}{4}$ -inch pipe is cast on the pole plate. Pulley is similar to the Swivel Pole Pulley.

27248		75	8	\$1.20
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For galvanizing any of the above, add 50 per cent to list price, which includes final coat of black enamel.

Cutter Insulators and Cross Arms

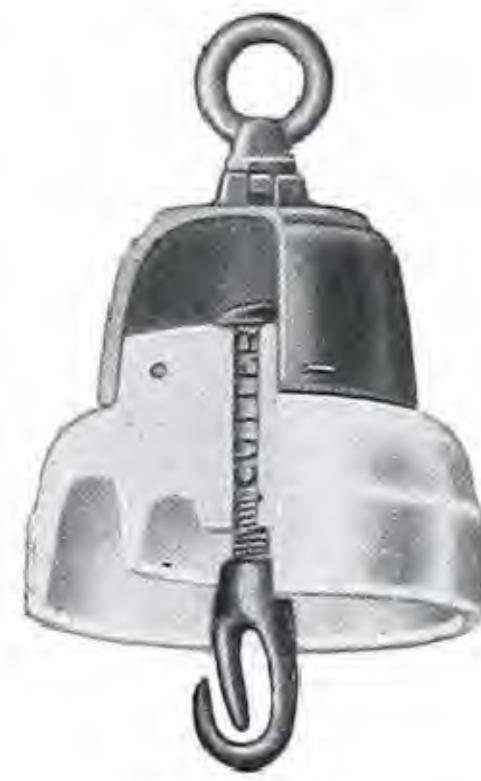
Schedule E



No. 20836



No. 20839



No. 20844



No. 27256



Triple Insulation Arm.



Goliath Cross Arm.

High Voltage Insulators

High voltage insulators have a double petticoat porcelain bell, which forms a good watershed and gives high insulation even in wet weather. The rivets which fasten the metal cap to the porcelain pass under the elongated head of the bolt which supports the hook. The cap is sealed with insulating material and the extra petticoat gives a large surface insulation, making the device well suited for use on arc circuits exposed to weather, smoke or fumes.

While designed especially for use on arc circuits of high voltage, the extra protection and the elimination of leaks afforded by this insulator make it a desirable one, even for circuits of comparatively low voltage.

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
20836	With ring above and sister hook below.....	100	4	\$0.90
20839	With clamp for wire rope above and ring below....	100	4	1.00
20841	With clamp for chain above and ring below.....	100	4	1.00
27249	With clamp for $\frac{3}{8}$ -inch rope above and ring below....	100	4	1.00

For galvanizing all iron parts, add 20 cents each to list price, which includes final coat of black enamel.

Jupiter Insulators

Built on the same lines generally as high voltage insulators, but with a greatly enlarged series of petticoats to give higher surface insulation. Therefore it has the same high breakdown insulation (ample for 12000-volt circuits) and an extra large surface to reduce the leakage in wet weather.

Trade No.	Description	Std. Pkg.	Wt. lbs. each	Price each
20844	With ring above and sister hook below.....	75	6	\$1.35
27250	With clamp for wire rope above and ring below....	75	6	1.45
27256	With clamp for chain above and ring below.....	75	6	1.45
27257	With clamp for $\frac{3}{8}$ -inch rope above and ring below....	75	6	1.45

For galvanizing all iron parts, add 20 cents each to list price, which includes final coat of black enamel.

Triple Insulation Arms

Triple insulation arms have a high voltage insulator above an enameled wood arm, thus giving a triple insulation between the line wire and the supporting ring.

The arm is coated with a baked enamel, which outwears paint in the weather, and has its ends bound by strong metal ferrules to prevent their splitting. Every part of the whole device is built for fine wear and high insulation, making it a fine insulating arm for all high voltage lamps, and the only low priced one adapted for use with alternating series lamps. It is second only to the Goliath Cross-Arm.

Trade No.	Finish	Std. Pkg.	Wt. lbs. each	Price each
20852	Enamelled.....	75	5	\$1.35
20853	*Galvanized.....	75	5	1.60

Goliath Cross Arms

An insulating cross arm having both the wire supports and the lamp hook insulated from the support by a Jupiter Insulator. The cross arm is of iron, fitted with porcelain knobs for supporting the line wires and a sister hook for the lamp.

Trade No.	Finish	Std. Pkg.	Wt. lbs. each	Price each
27165	Enamelled.....	50	$10\frac{1}{2}$	\$2.25
27258	*Galvanized.....	50	$10\frac{1}{2}$	2.75

*Includes final coat of black enamel

Cutter Insulators and Cross Arms

Schedule E

Grip Arms

Consists of the plain arm with a "U" bolt for clamping same to 1½-inch (bore) iron piping as used on mast arms, outriggers and brackets.

Trade No.	Finish	Std. Pkg.	Wt. lbs. each	Price each
20863	Enameled.....	200	1 ¾	\$0.75
20864	"U" Bolt, galvanized.....	200	1 ¾	.85



Grip Arm.

Strain Arms

As Furnished on Junior and Cadet Mast Arms

Strain arms are made of wrought iron with a cast iron pole plate.

Trade No.	Std. Pkg.	Wt. lbs. each	Price each
20746	100	8 ½	\$1.20



Strain Arm.

Double-Braced Strain Arms

As Furnished on Long Junior Mast Arms

Double-braced strain arms are longer than the regular strain arms and have side braces to prevent rocking in high winds.

Trade No.	Std. Pkg.	Wt. lbs. each	Price each
20747	50	10	\$2.00



Double Braced Strain Arm.

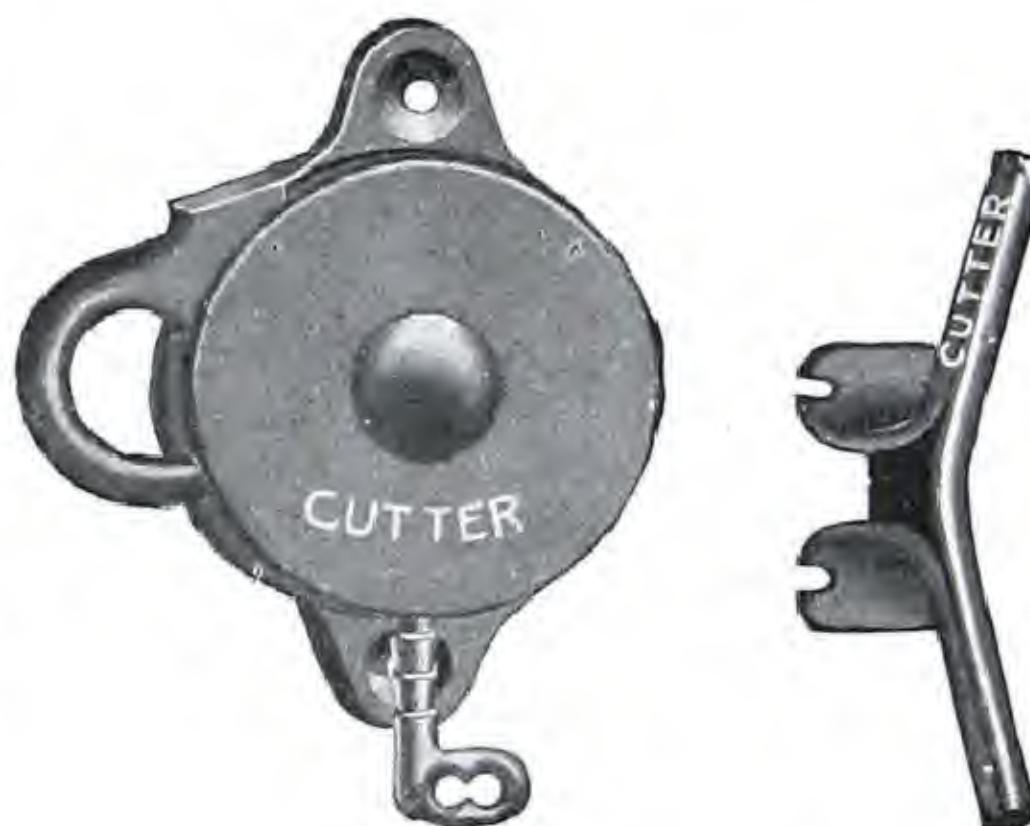
Cutter Pole Line Material

Schedule F

Pole Locks

Has the keyhole at the bottom and not at the top (where the rain and sleet would drive into it). The double catch makes it non-pickable, the back fits either a wall or a pole, and the casting makes it weatherproof. Just the thing to prevent tampering with hoisting ropes. One key free with every ten locks.

Trade No.	Finish	Std. Pkg.	Wt. lbs. each	Price each
20868	Painted.....	100	1 ½	\$0.75
20869	*Galvanized.....	100	1 ½	.85
20870	Extra key	25	1 oz.	.20



Pole Lock.



Rope Cleat.

Rope Cleats

Strong and neat (though no cleat with its coil of rope makes as neat a job as the rope clamp and pole lock). Has the edges rounded so as not to cut the rope.

Trade No.	Finish	Std. Pkg.	Wt. lbs. each	Price each
20871	Galvanized.....	200	1	\$0.30

Rope Clamps

Made of malleable iron, will readily clamp any size rope up to 3/8-inch, enabling the end of the hoisting rope to be locked at the pole. Can be used over and over again when the rope wears out.

Trade No.	Finish	Std. Pkg.	Wt. lbs. each	Price each
20872	Painted.....	400	¼	\$0.18
20873	*Galvanized.....	400	¼	.22

½-inch Rope Clamps

Same as above, for ½-inch ropes.

Trade No.	Finish	Std. Pkg.	Wt. lbs. each	Price each
20874	Painted.....	400	¾	\$0.20
20875	*Galvanized.....	400	¾	.25



Rope Clamp.



Chain Clamp.

Chain Clamps

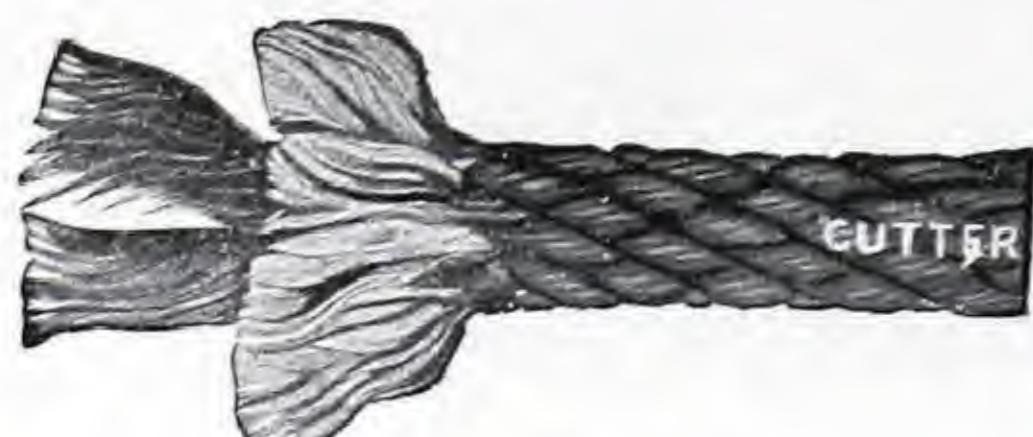
A neat, secure fastening, enabling the end of the hoisting chain to be locked to the pole. Made for No. 1 or No. 3 Oneida Chain.

Trade No.	Finish	Std. Pkg.	Wt. lbs. each	Price each
20876	Painted.....	400	½	\$0.18
20877	*Galvanized.....	400	½	.22

*Includes final coat of black enamel.

Cutter Pole Line Material

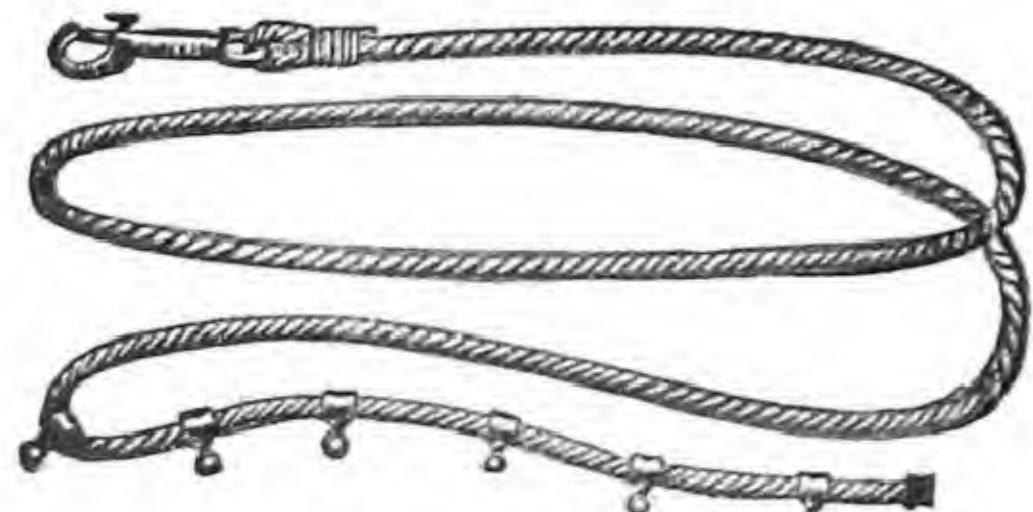
Schedule F



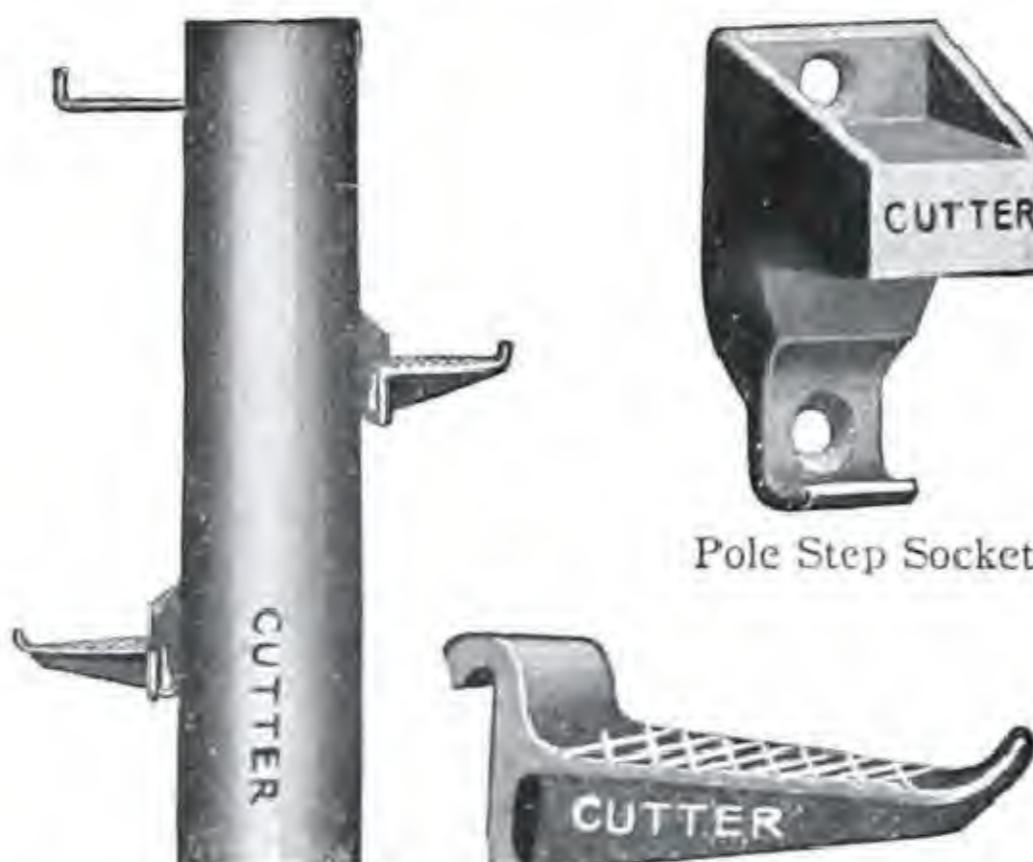
Weatherproof Lamp Rope.



Ebony Wire Rope.



Trimmer's Rope.



Showing Pole Steps
in Use.

Removable Pole Step.



Insulated Fork.



Insulated Suspension Bolt.



Insulated Turnbuckle.

Weatherproof Lamp Rope

A fine braided cotton rope with a weatherproof finish, which keeps out the rain and makes it extra durable. We recommend the $\frac{3}{8}$ and $\frac{1}{2}$ -inch sizes for hoisting arc lamps, the $\frac{1}{4}$ and $\frac{5}{16}$ -inch for use with the swinging hoods and the $\frac{3}{16}$ -inch for the Always Level Streethood.

Trade No.	Size inches	Wt. lbs. Std. Pkg.	Approx. Wt. lbs. per 100 ft.	Price per lb.
22340	$\frac{3}{16}$	100	2	\$1.40
22341	$\frac{1}{4}$	100	$2\frac{1}{2}$	1.40
22342	$\frac{5}{16}$	100	$3\frac{1}{8}$	1.40
22343	$\frac{3}{8}$	100	5	1.40
22344	$\frac{1}{2}$	100	8	1.75

Ebony Wire Rope

A $\frac{1}{4}$ -inch wire rope made of six flexible strands (each with soft center) around a flexible (black) center. The only wire rope really pliable enough to work freely with standard types of pulleys.

Trade No.	No. of Feet in Std. Pkg.	Approx. Wt. lbs. per 100 ft.	Price per ft.
20883	1000	5	\$0.10

Trimmer's Rope

Trimmer's rope is a 30-foot hoisting rope, with a snap hook at one end and six rings near the other end. The rings can be readily clamped at any desired intervals, so as to accommodate lamps hung at varying heights above the street. Just the thing for use with hoisting ropes, ending in a Cutter Rope Clamp and locked with a Cutter Pole Lock.

Trade No.	Std. Pkg.	Wt. lbs.	Price each
20884	25	4	\$3.75

Removable Pole Steps

Removable pole steps are much more easily carried than a ladder. A pair of them weighs less than 14 ounces, and can be slipped into the pocket. The sockets for them are hooded over so as to be sleet-proof.

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20887	*Pole Step, galvanized.....	250	$\frac{1}{16}$	\$0.30
20888	*Socket, galvanized.....	250	$\frac{1}{16}$.20

Insulated Forks

A wrought iron fork holds a heavy porcelain spool with $\frac{11}{16}$ -inch groove, which insulates the suspension wire or cable from the pole. Made for $\frac{1}{2}$ -inch lag screw. Prices do not include the lag screws.

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20892	*Galvanized.....	250	1	\$0.30

Insulated Suspension Bolts

Consists of insulated fork with 12-inch bolt, $\frac{1}{2}$ -inch in diameter and having 6 inches of thread.

Shipped complete with nut and washer.

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20894	*Galvanized.....	200	2	\$0.60

Insulated Turnbuckles

An insulated fork on each end; maximum spread, 24 inches; adjustment, 9 inches.

Trade No.	Description	Std. Pkg.	Wt. lbs.	Price each
20896	*Galvanized.....	50	6	\$1.60

*Includes final coat of black enamel.

Cutter Pole Line Material

Schedule F

Fixed Pin Break Arms, Cast Iron

12-inch Spread, Electro-Galvanized and Painted Black.

No. Trade	Description	Std. Pkg.	Wt. lbs. each	Price each
20909	With 1½-inch stem	50	6	\$0.90
20911	With 1½-inch stem	50	6	.90



No. 20909 No. 20923

Pinless Break Arms, Cast Iron

With 1½-inch Stem, 12-inch Spread

Electro-Galvanized and Painted Black

20923	With 1½-inch sockets	50	6½	\$0.90
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No. 20939 No. 20943

Fixed Pin Clamp Arms, Cast Iron

Electro-Galvanized and Painted Black

Has a "U" bolt for fastening to 2½-inch (Bore) pipe.
Furnished for other sizes of pipe when so ordered.

20939	12-inch spread	50	6	\$1.25
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No. 21005 No. 20949 No. 20947

Fixed Pin Pole Brackets, Cast Iron

Electro-Galvanized and Painted Black

3-inch Extension, 4-inches High

20947	Slots in plate	100	2	\$0.35
20949	Holes in plate	100	2	.35

Corner Brackets, Cast Iron

Electro-Galvanized and Painted Black

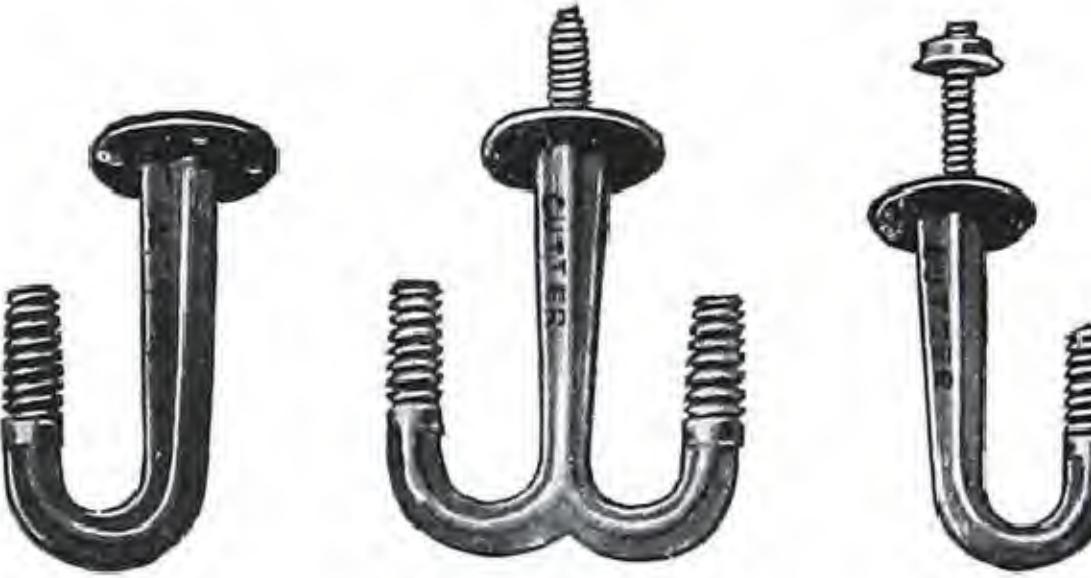
Suitable for brick and concrete buildings as well as for wooden beams.

Fixed Pin

20979	8-inch extension.....	50	5	\$0.85
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Pinless, 1½-inch Sockets

20983	8-inch extension.....	50	5	.85
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No. 20993 No. 21001 No. 20997

Ceiling Brackets, Cast Iron

Electro-Galvanized and Painted Black

For ceilings, bridges, mines, etc.

Single Brackets, 4-inch Drop, 3-inch Spread

20993	With ceiling flange only.....	50	3½	\$0.56
20995	With lag screw	50	3½	.56
20997	With bolt.....	50	3½	.56



No. 20993 No. 21001 No. 20997

Double Brackets, 4-inch Drop, 6-inch Spread

20999	With ceiling flange only.....	50	5	\$0.68
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21001	With lag screw	50	5	.68
21003	With bolt	50	5	.68



No. 20979 No. 20983

Insulator Pins, Cast Iron

Electro-Galvanized and Painted Black

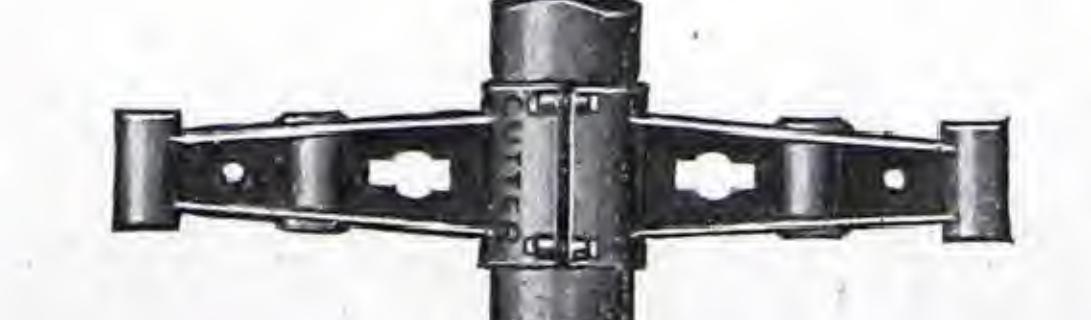
21005	1¼-inch butt, 3¼ inches below shoulder, 4¼ inches above.....	100	3	\$0.44
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No. 20979 No. 20983

Standard Feeder Arms, Cast Iron

Two-Wire

27259	For 2½-inch (Bore) pipe....	25	22	\$3.25
21022	For 3-inch (Bore) pipe.....	25	23	3.50
27260	For 2½-inch (Bore) pipe....	25	27	\$5.25
21026	For 3-inch (Bore) pipe.....	25	28	5.50



No. 21026

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